

SunaTech Inc., located in Suzhou Industrial Park, Jiangsu, China, is committed to providing support to the research and development of advanced technologies that ultimately benefit our environment and health. To this end, SunaTech produces and supplies high quality chemicals & materials and offers problem-solving solutions to the worldwide R&D activities related to energy-savings, renewable energy, life sciences and medical diagnostics. Since its incorporation, SunaTech has become a leading developer and supplier of luminescent metal complexes and intermediates of low bandgap OPV materials. While serving its customers, ranging from academia to industry and from organic electronics to bioanalytics, SunaTech is also building its expertise and developing technologies in multiple sectors.

As a small start-up company, SunaTech has a number of Ph.D. scientists with working experience in the North America, Europe, Japan and China, and energetic well-trained junior chemists, who are routinely carrying out complex, multi-step synthesis and solving difficult chemistry problems. Together with the sales staffs, they have enabled SunaTech to establish strong and trusted client relationship with many prestigious research organizations and industrial leaders.

With strong technical and information supports from its shareholders, SunaTech Inc. not only supplies chemicals and materials, but also offers cost-effective solutions to meet customers' research, development, scale-up and production needs.

Innovation doesn't have to start from scratch – try to start from SunaTech Inc., a chemistry company that keeps its eyes on innovative technologies.

Custom Synthesis

Delivering products made to customers' specification represents a significant part of SunaTech's business. With experienced chemists performing complex and multi-step synthesis, SunaTech offers syntheses of simple small molecules and complex compounds of quantities ranging from milligrams to kilograms at competitive prices in a timely manner. This may involve the following steps.

- Signing non-disclosure agreement (NDA)
- Performing literature & database searches
- Brainstorming for efficient synthetic routes
- Synthesizing target molecules
- Characterizing the synthesized molecules
- Conducting scale-up, if required
- Preparing MSDS and other safety related documents

SunaTech understands its customers' desires in confidentiality and has established policy to protect its customers' interest in the way it protects its own interest. To inquire, please submit a CAS Registration Number, structure, or chemical name to our distributors /representatives/agents or our sales department.

Fee-for-Service Project

Fee-for-Service (FFS) mode is currently applied to the R&D of bioanalytical methods involving the use of SunaTech's proprietary reagents (such as SunaTag™) for labeling antibodies or proteins based on customers' requirements.

Contract Research

Whether making a low bandgap OPV polymer or proving an OLED device structure or developing an assay protocol, complex problem solving requires several factors working closely together. SunaTech has a facile access to state-of-the-art research and analytical equipment of Chinese Academy of Sciences. SunaTech's in-house scientists will be dedicated to client solutions during the contract period in the strictest confidence. Our efficient teamwork will contribute to the success of your project.

Searching Chemicals from SunaTech's Website

This catalog does not provide up-to-date information about SunaTech's products. Searching SunaTech's chemical/materials from its website (www.sunatech.com) is easy. You can simply type, e.g., a partial key word such as "irid", "carba", "thiop" or "dibromo" to find all the chemicals with iridium(III) atom(s), carbazole group(s), thiophene group(s) or two bromine atoms in their structures. You may also find technical data or price information from SunaTech's product promotional flyers.

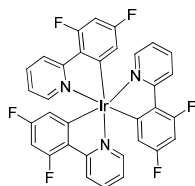
Important Notices:

1. Treat all chemicals as if they were hazardous.
2. The storage conditions of many chemicals/materials produced by SunaTech are not available or have not been well realized, please treat them carefully.
3. Custom synthesized chemicals/materials covered by a NDA will not be disclosed in any manner.
4. SunaTech Inc. maintains certain quantities of chemicals in stock, but could not guarantee each listed chemical is available at any time. If we are unable to provide you with the requested items or quantities, please accept our apologies. You may also find an alternate solution by talking to our technical team.
5. The structural and spectroscopic data of some chemicals are made available on SunaTech's website. These data are for reference purpose only. NMR data of specified lots are available on request.
6. The Materials Safety Data Sheet (MSDS) of some chemicals/materials are available at our website www.sunatech.com.cn/download.asp. If you need a MSDS before placing an order, please download it from this website.
7. Chemicals or materials in this catalog are categorized according to their likely uses and/or chemical natures. SunaTech Inc. makes no representations and extends no warranties of any kind, either expressed or implied, including any warranty of merchantability or fitness for a particular purpose, or warranty that the use of the material will not infringe any patent, copyright, trademark.
8. It is likely that uses of some chemicals or materials listed in this catalog are protected by valid patents in some countries. Buyers shall bear all risk of and liability for patent infringements when using the chemicals or materials for a purpose patented by a third party.
9. The products listed in this catalog are produced in China. The shipment and exportation of chemicals are governed by some laws and regulations, which may cause some delay, despite the stock availability.
10. The Harmonized System Codes (HS Codes) used in SunaTech's documents for customs declaration are based on the commodity classification adopted by Chinese Customs. Customers should refer to the HS codes published in their own countries in order to comply with the regulations.
11. Most of our chemicals/materials are packed in glass vials/bottles, which are wrapped with aluminum bags. It is possible that the governmental agencies of exportation/importation countries may open the packages for inspection. If this is the case and if you have any concerns about the impact on the product quality, please do not hesitate to contact us.

Phosphorescent Dopants-Blue

Tris[4,6-difluoro-2-(2-pyridyl)phenyl-C²,N]iridium(III)

CAT# IR606

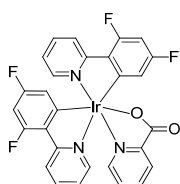


CAS# [387859-70-3]
Formula C₃₃H₁₈F₆IrN₃
FW 762.72

Bis(4,6-difluoro-2-(2-pyridyl)phenyl-C²,N)(2-carboxypyridyl) iridium(III)

FIrPic

CAT# IR607

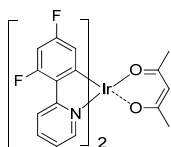


CAS# [376367-93-0]
Formula C₂₈H₁₆IrN₃O₂F₄
FW 694.67
 λ_{ab} 256, 380 nm (CH₂Cl₂)
 λ_{em} 468, 493 nm (CH₂Cl₂)

Bis(4,6-difluoro-2-(2-pyridyl)phenyl-C²,N)(acetylacetonato) iridium(III)

Ir(f-ppy)₂(acac)

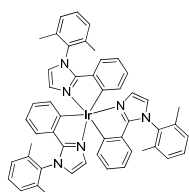
CAT# IR805



CAS# [376367-95-2]
Formula C₂₇H₁₉IrN₂O₂F₄
FW 672.12

Tris[1-(2,6-dimethyl phenyl)-2-phenyl-1H-imidazole-C²,N] iridium(III)

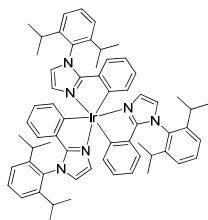
CAT# IR812



CAS# [914394-12-0]
Formula C₅₁H₄₅IrN₆
FW 934.16
 λ_{ab} 250, 349 nm (CH₂Cl₂)
 λ_{em} 474, 503 nm (CH₂Cl₂)

Tris[1-(2,6-diisopropylphenyl)-2-phenyl-1H-imidazole-C²,N] iridium(III)

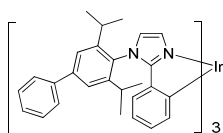
CAT# IR816



CAS# [914394-25-5]
Formula C₆₃H₆₉IrN₆
FW 1102.48
 λ_{ab} 262, 350 nm (CH₂Cl₂)
 λ_{em} 473, 504 nm (CH₂Cl₂)

Tris[1-(3,5-diisopropylbiphenyl-4-yl)-2-phenyl-1H-imidazole-C²,N] iridium(III)

CAT# IR817

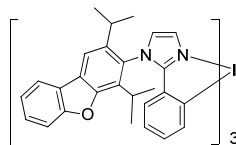


CAS# [1272505-63-1]
Formula C₈₁H₈₁IrN₆
FW 1330.77
 λ_{ab} 255, 351 nm (CH₂Cl₂)
 λ_{em} 474, 505 nm (CH₂Cl₂)

Tris[1-(2,4-diisopropylidibenzo[b,d]furan-3-yl)-2-phenyl-1H-imidazole-C²,N]iridium(III)

Ir(dbi)₃

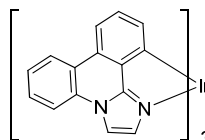
CAT# IR820



CAS# [1331833-06-7]
Formula C₈₁H₇₅IrN₆O₃
FW 1372.72
 λ_{ab} 288, 353 nm (CH₂Cl₂)
 λ_{em} 475, 505 nm (CH₂Cl₂)

Tris[imidazo[1,2-f]phenanthridine-C²,N]iridium(III)

CAT# IR840



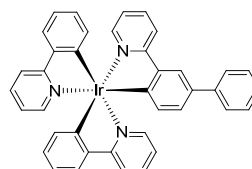
CAS#
Formula C₄₅H₂₇IrN₆
FW 843.95
 λ_{em} 458 nm (CH₂Cl₂)

Phosphorescent Dopants-Green

[3-(2-Pyridinyl)[1,1'-biphenyl]-4-yl]bis[2-(2-pyridinyl)phenyl] iridium

Ir(ppy)₂(m-bppy)

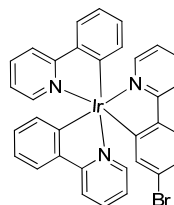
CAT# IR501



CAS# [1034145-18-0]
Formula C₃₉H₂₈IrN₃
FW 730.88

Bis(2-phenylpyridine-C²,N')(2-(4-bromophenyl)pyridine) iridium(III)

CAT# IR503

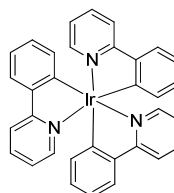


CAS# /
Formula C₃₃H₂₃BrIrN₃
FW 733.68

Tris(2-phenylpyridine-C²,N)iridium(III)

Ir(ppy)₃

CAT# IR504

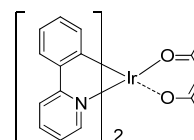


CAS# [94928-86-6]
Formula C₃₃H₂₄IrN₃
FW 654.78
 λ_{ab} 243, 283, 377 nm (CH₂Cl₂)
 λ_{em} 512 nm (CH₂Cl₂)

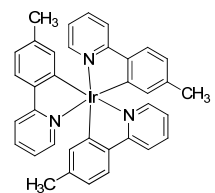
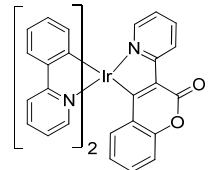
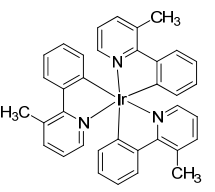
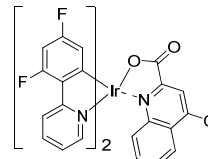
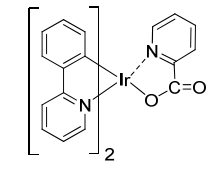
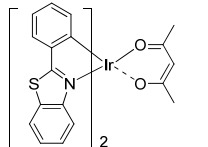
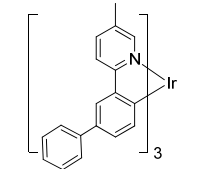
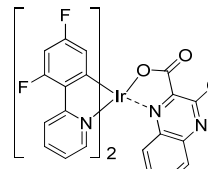
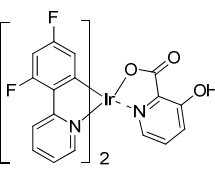
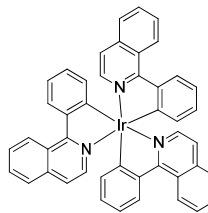
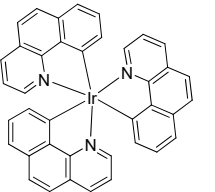
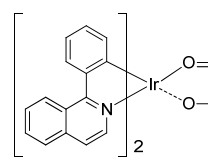
Bis(2-phenylpyridine-C²,N)(acetylacetonato)iridium(III)

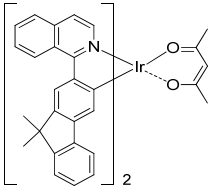
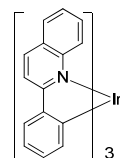
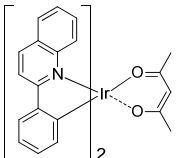
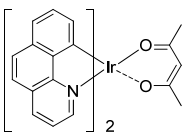
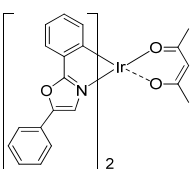
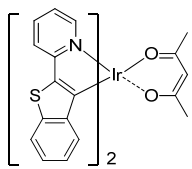
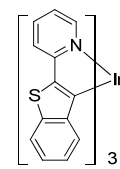
Ir(ppy)₂(acac)

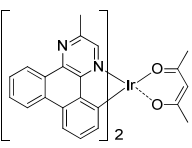
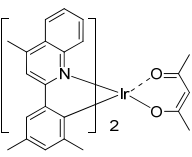
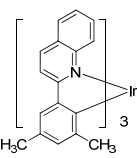
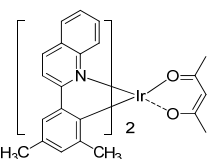
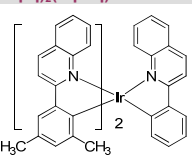
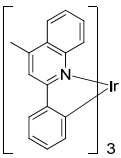
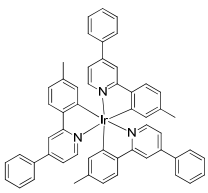
CAT# IR505



CAS# [337526-85-9]
Formula C₂₇H₂₃IrN₂O₂
FW 599.7
 λ_{ab} 258, 341 nm (acetonitrile)
 λ_{em} 520 nm (acetonitrile)

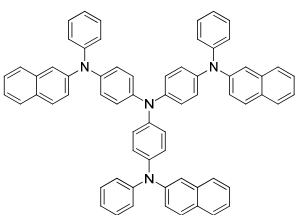
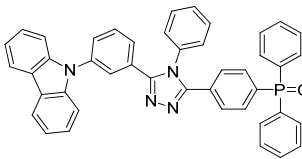
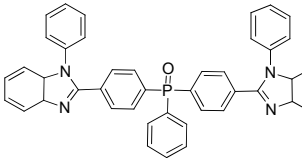
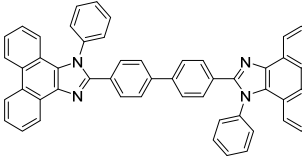
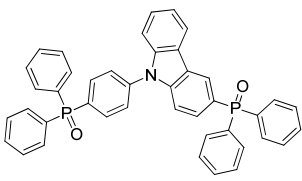
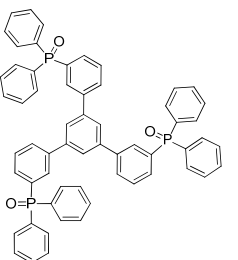
Tris(2-(p-tolyl)pyridine-<i>C</i>²,<i>N</i>)iridium(III) Ir(mppy)₃  CAS# [149005-33-4] Formula C₃₆H₃₀IrN₃ FW 696.86 λ_{ab} 248, 288, 373 nm (CH₂Cl₂) λ_{em} 513 nm (CH₂Cl₂)	Bis(2-phenylpyridine-<i>C</i>²,<i>N</i>)(3-(pyridin-2-yl)-2<i>H</i>-chromen-2-one)iridium(III) Ir(ppy)₂pc  CAS# [1003562-42-2] Formula C₃₆H₂₄IrN₃O₂ FW 722.81 λ_{ab} 290, 339, 382 nm (CH₂Cl₂) λ_{em} 545 nm (CH₂Cl₂)
Tris(3-methyl-2-phenylpyridine-<i>C</i>²,<i>N</i>)iridium(III)  CAS# [359014-71-4] Formula C₃₆H₃₀IrN₃ FW 696.86	Bis(4,6-difluoro-2-(2-pyridyl)phenyl-<i>C</i>²,<i>N</i>)(2-carboxy-4-hydroxyquinoline)iridium(III)  CAS# Formula C₃₂H₁₈F₄IrN₃O₃ FW 760.73
Bis(2-phenylpyridine-<i>C</i>²,<i>N</i>)(3-(pyridin-2-yl)-2<i>H</i>-chromen-2-one)iridium(III)  CAS# Formula C₂₈H₂₀IrN₃O₂ FW 622.70	Bis(2-phenylbenzothiazole-<i>C</i>²,<i>N</i>)(acetylacetonato)iridium(III) Ir(bt)₂(acac)  CAS# [337526-88-2] Formula C₃₁H₂₃IrN₂O₂S₂ FW 711.86 λ_{ab} 325, 356, 441 nm (acetonitrile) λ_{em} 562 nm (acetonitrile)
Tris(2-(biphenyl-3-yl)-5-methylpyridine)iridium(III)  CAS# / Formula C₅₄H₄₂IrN₃ FW 925.30 λ_{em} 512 nm (CH₂Cl₂)	Phosphorescent Dopants-Red Bis(4,6-difluoro-2-(2-pyridyl)phenyl-<i>C</i>²,<i>N</i>)(2-carboxy-3-hydroxyquinoxaline)iridium(III)  CAS# Formula C₃₁H₁₇F₄IrN₄O₃ FW 761.71
Phosphorescent Dopants-Yellow Bis(4,6-difluoro-2-(2-pyridyl)phenyl-<i>C</i>²,<i>N</i>)(3-hydroxy-2-carboxypyridyl)iridium(III)  CAS# Formula C₂₈H₁₆F₄IrN₃O₃ FW 710.67 λ_{ab} 253, 377 nm (CH₂Cl₂) λ_{em} 541 nm (CH₂Cl₂)	Tris(1-phenylisoquinoline-<i>C</i>²,<i>N</i>)iridium(III) Ir(piq)₃  CAS# [435293-93-9] Formula C₄₅H₃₀IrN₃ FW 804.96 λ_{ab} 321, 425 nm (CH₂Cl₂) λ_{em} 619 nm (CH₂Cl₂)
Tris(2-benzo[<i>h</i>]quinoline-<i>C</i>²,<i>N</i>)iridium(III) Ir(bzq)₃  CAS# [337526-98-4] Formula C₃₉H₂₄IrN₃ FW 726.84 λ_{ab} 292, 346, 415 nm (CH₂Cl₂) λ_{em} 553 nm (CH₂Cl₂)	Bis(1-phenylisoquinoline-<i>C</i>²,<i>N</i>)(acetylacetonato)iridium(III) Ir(piq)₂(acac)  CAS# [435294-03-4] Formula C₃₅H₂₇IrN₂O₂ FW 699.82 λ_{ab} 234, 282, 342, 478 nm (acetonitrile) λ_{em} 587 nm (acetonitrile)

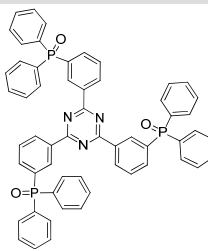
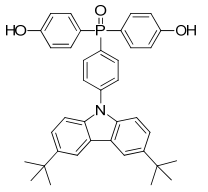
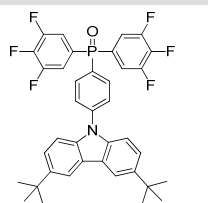
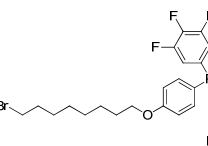
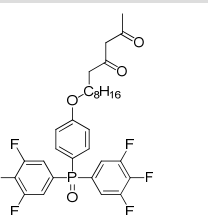
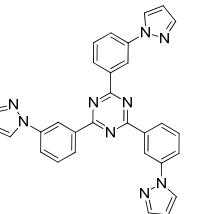
Bis(1-(9,9-dimethyl-9H-fluoren-2-yl)-isoquinoline-C²,N)(acetylacetonato)iridium(III) Ir(fliq)₂(acac)		CAT# IR721
	CAS# Formula C ₅₃ H ₄₃ IrN ₂ O ₂ FW 932.1 λ _{ab} 285, 368 nm (THF) λ _{em} 653 nm (THF)	
Tris(2-phenylquinoline-C²,N)iridium(III) Ir(2-phq)₃		CAT# IR728
	CAS# [911142-72-8] Formula C ₄₅ H ₃₀ IrN ₃ FW 804.96 λ _{ab} 273, 339, 403 nm (CH ₂ Cl ₂) λ _{em} 585 nm (CH ₂ Cl ₂)	
Bis(2-phenylquinoline-C²,N)(acetylacetonato)iridium(III) Ir(2-phq)₂(acac)		CAT# IR729
	CAS# [1173886-71-9] Formula C ₃₅ H ₂₇ IrN ₂ O ₂ FW 699.82 λ _{ab} 272, 339 nm (CH ₂ Cl ₂) λ _{em} 595 nm (CH ₂ Cl ₂)	
Bis(2-benzo[h]quinoline-C²,N)(acetylacetonato)iridium(III) Ir(bzq)₂(acac)		CAT# IR800
	CAS# [337526-87-1] Formula C ₃₁ H ₂₃ IrN ₂ O ₂ FW 647.86	
Bis(2,5-diphenyloxazole-C²,N)(acetylacetonato)iridium(III) Ir(dpo)₂(acac)		CAT# IR801
	CAS# [344796-05-0] Formula C ₃₅ H ₂₇ IrN ₂ O ₄ FW 731.82	
Bis(2-(benzo[b]thiophen-2-yl)pyridine-C³,N)(acetylacetonato)iridium(III) Ir(btpy)₂(acac)		CAT# IR802
	CAS# [343978-79-0] Formula C ₃₁ H ₂₃ IrN ₂ O ₂ S ₂ FW 711.86 λ _{ab} 279, 324, 472 nm (CH ₂ Cl ₂) λ _{em} 611 nm (CH ₂ Cl ₂)	
Tris(2-(benzo[b]thiophen-2-yl)pyridinato-C³,N)iridium(III) Fac-Ir(btpy)₃		CAT# IR803
	CAS# [405289-74-9] Formula C ₃₉ H ₂₄ IrN ₃ S ₃ FW 823.04	

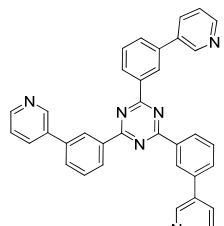
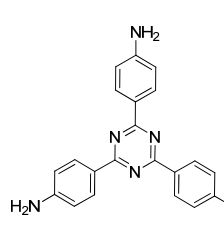
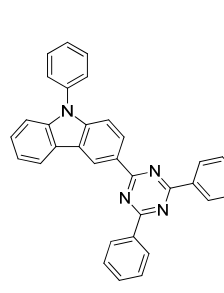
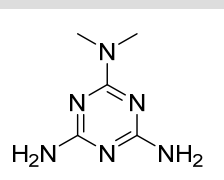
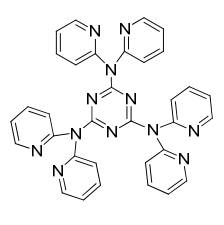
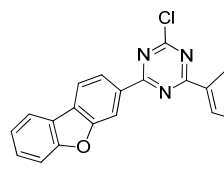
Bis(2-methyldibenzo[f,h]quinoxaline)(acetylacetonato)iridium(III) Ir(MDQ)₂(acac)		CAT# IR804
	CAS# [536755-34-7] Formula C ₃₉ H ₂₉ IrN ₄ O ₂ FW 778.22	
Bis(2-(3,5-dimethylphenyl)-4-methylquinoline-C²,N)(acetylacetonato)iridium(III)		CAT# IR809
	CAS# [1452863-84-1] Formula C ₄₁ H ₃₉ IrN ₂ O ₂ FW 783.98 λ _{ab} 281, 349, 427 nm (CH ₂ Cl ₂) λ _{em} 604 nm (CH ₂ Cl ₂)	
Tris(2-(3,5-dimethylphenyl)quinoline-C²,N)iridium(III) Ir(dmpq)₃		CAT# IR810
	CAS# [1152418-56-8] Formula C ₅₁ H ₄₂ IrN ₃ FW 889.13	
Bis(2-(3,5-dimethylphenyl)quinoline-C²,N)(acetylacetonato)iridium(III) Ir(dmpq)₂(acac)		CAT# IR811
	CAS# [1056874-46-4] Formula C ₃₉ H ₃₅ IrN ₂ O ₂ FW 755.94 λ _{ab} 281, 352, 429 nm (CH ₂ Cl ₂) λ _{em} 614 nm (CH ₂ Cl ₂)	
Bis(2-(3,5-dimethylphenyl)quinoline-C²,N)(2-phenylquinoline)iridium(III) Ir(dmpq)₂(2-phq)		CAT# IR813
	CAS# Formula C ₄₉ H ₃₈ IrN ₃ FW 861.06	
Tris(4-methyl-2-phenylquinoline-C²,N)iridium(III) Ir(mphq)₃		CAT# IR819
	CAS# Formula C ₄₈ H ₃₆ IrN ₃ FW 847.04 λ _{ab} 271, 314, 400 nm (CH ₂ Cl ₂) λ _{em} 579 nm (CH ₂ Cl ₂)	
Tris(4-phenyl-2-p-tolylpyridine-C²,N)iridium(III)		CAT# IR950
	CAS# Formula C ₅₄ H ₄₂ IrN ₃ FW 925.15 λ _{em} 570.6 nm (CH ₂ Cl ₂)	

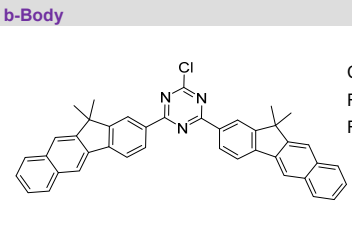
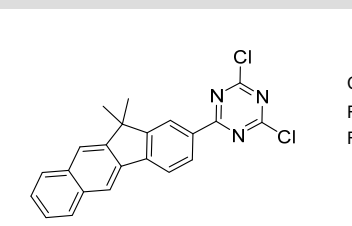
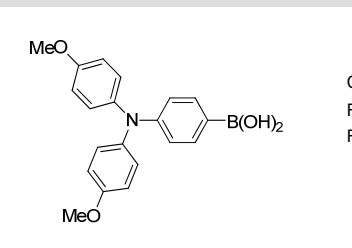
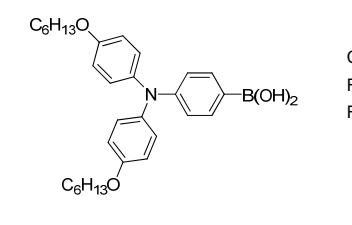
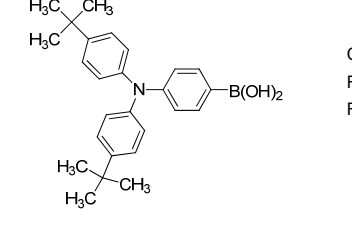
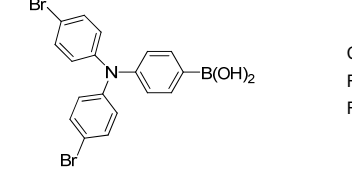
Tris[3-(2-pyridinyl-<i>k</i>N)[1,1'-biphenyl]-4-yl-<i>k</i>C]Iridium(III)	
CAT# IR951	
	CAS# [667935-20-8] Formula C ₅₁ H ₃₆ IrN ₃ FW 883.07
Tris[3-(5-methyl-2-pyridinyl-<i>k</i>N)[1,1'-biphenyl]-4-yl-<i>k</i>C]Iridium(III)	
CAT# IR952	
	CAS# [872856-45-6] Formula C ₅₄ H ₄₂ IrN ₃ FW 925.15
Phosphorescent Host Materials	
1,3-Bis(carbazol-9-yl)benzene	
MCP CAT# PH001	
	CAS# [550378-78-4] Formula C ₃₀ H ₂₀ N ₂ FW 408.49
1,3,5-Tris(carbazol-9-yl)benzene	
TCP CAT# PH002	
	CAS# [148044-07-9] Formula C ₄₂ H ₂₇ N ₃ FW 573.68
4,4',4''-Tris(carbazol-9-yl)triphenylamine	
TcTa CAT# PH003	
	CAS# [139092-78-7] Formula C ₅₄ H ₃₆ N ₄ FW 740.89

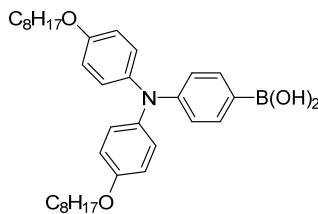
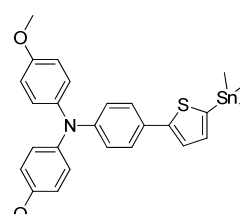
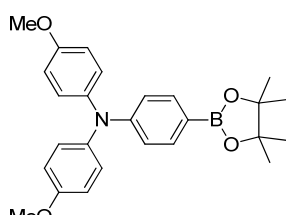
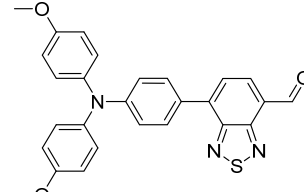
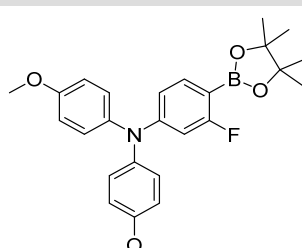
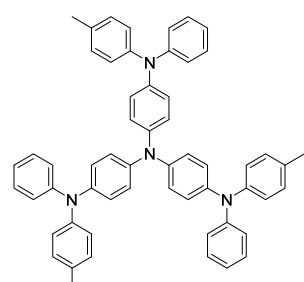
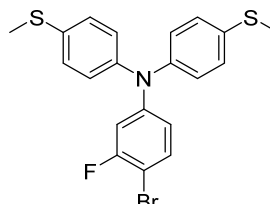
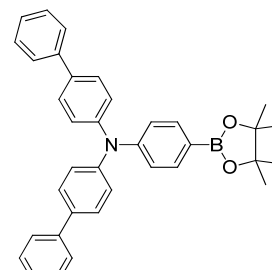
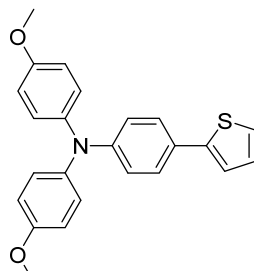
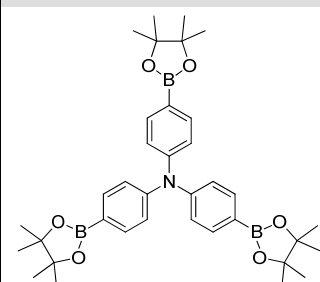
Tris(4-(9-(2-ethylhexyl)-9H-carbazol-2-yl)phenyl)amine	
CAT# PH013	
	CAS# [667935-20-8] Formula C ₇₈ H ₈₄ N ₄ FW 1077.53
4,4'-Bis(carbazol-9-yl)biphenyl	
CBP CAT# PH004	
	CAS# [58328-31-7] Formula C ₃₆ H ₂₄ N ₂ FW 484.59
3,3'-Di(9H-carbazol-9-yl)biphenyl	
mCBP CAT# PH005	
	CAS# [342638-54-4] Formula C ₃₆ H ₂₄ N ₂ FW 484.59
2,6-Di(9H-carbazol-9-yl)anthracene-9,10-dione	
CAT# PH007	
	CAS# [909712-63-6] Formula C ₃₈ H ₂₂ N ₂ O ₂ FW 538.59
11,12-Di([1,1'-biphenyl]-4-yl)-11,12-dihydroindolo[2,3-a]carbazole	
CAT# PH008	
	CAS# [1800386-92-8] Formula C ₄₂ H ₂₈ N ₂ FW 560.69
5,11-Di([1,1'-biphenyl]-4-yl)-5,11-dihydroindolo[3,2-b]carbazole	
CAT# PH009	
	CAS# [221544-74-7] Formula C ₄₂ H ₂₈ N ₂ FW 560.69

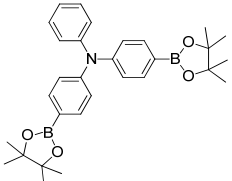
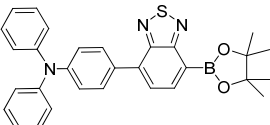
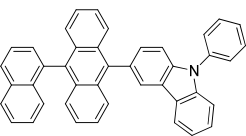
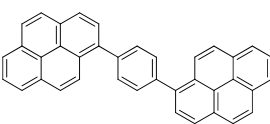
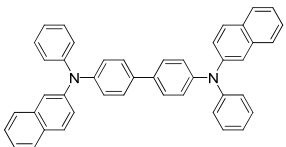
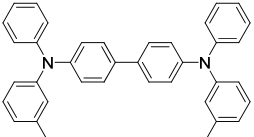
4,4',4''-Tris[2-naphthyl(phenyl)amino]triphenylamine 2-TNATA		CAT# PH010	
		CAS#	[185690-41-9]
		Formula	C ₆₆ H ₄₈ N ₄
		FW	897.11
9-(3-(5-(4-(Diphenylphosphoryl)phenyl)-4-phenyl-4H-1,2,4-triazol-3-yl)phenyl)-9H-carbazole		CAT# PH015	
		CAS#	
		Formula	C ₄₄ H ₃₁ N ₄ OP
		FW	662.72
Phenylbis(4-(1-phenyl-3a,7a-dihydro-1H-benzo[d]imidazol-2-yl)phenyl)phosphine oxide BIPO		CAT# PH016	
		CAS#	[1426143-77-2]
		Formula	C ₄₄ H ₃₅ N ₄ OP
		FW	666.75
4,4'-Bis(1-phenyl-1H-phenanthro[9,10-d]imidazol-2-yl)-1,1'-biphenyl CAT# BPPI			
		CAS#	[1147081-46-6]
		Formula	C ₅₄ H ₃₄ N ₄
		FW	738.87
3-(Diphenylphosphoryl)-9-(4(diphenylphosphoryl)phenyl)-9H-carbazole		CAT# PH017	
		CAS#	[1226860-68-9]
		Formula	C ₄₂ H ₃₁ NO ₂ P ₂
		FW	643.65
(5'-(3-(Diphenylphosphoryl)phenyl)-[1,1':3',1''-terphenyl]-3,3''-diyl)bis(diphenylphosphine oxide)		CAT# PH018	
		CAS#	[1311378-95-6]
		Formula	C ₆₀ H ₄₅ O ₃ P ₃
		FW	906.92

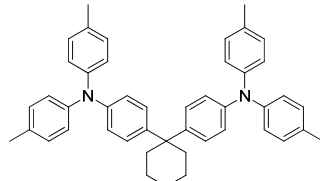
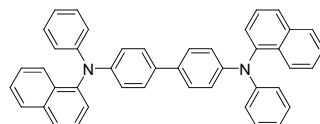
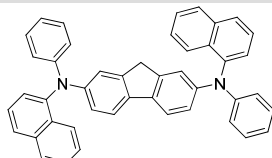
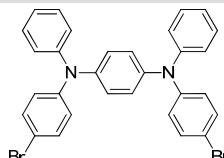
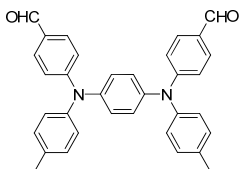
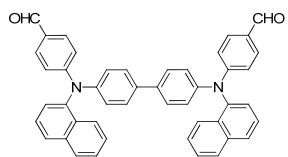
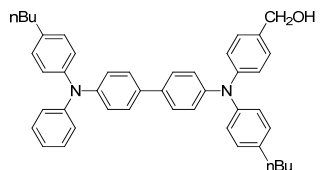
((1,3,5-Triazine-2,4,6-triyl)tris(benzene-3,1-diyl))tris(diphenylphosphine oxide)		CAT# PH019	
		CAS#	[1646906-26-4]
		Formula	C ₅₇ H ₄₂ N ₃ O ₃ P ₃
		FW	909.88
(4-(3,6-Di-tert-butyl-9H-carbazol-9-yl)phenyl)bis(4-hydroxyphenyl)phosphine oxide		CAT# PH032	
		CAS#	
		Formula	C ₃₈ H ₃₈ NO ₃ P
		FW	587.69
(4-(3,6-Di-tert-butyl-9H-carbazol-9-yl)phenyl)bis(3,4,5-trifluorophenyl)phosphine oxide		CAT# PH035	
		CAS#	
		Formula	C ₃₈ H ₃₂ F ₆ NOP
		FW	663.63
(4-((8-Bromooctyl)oxy)phenyl)bis(3,4,5-trifluorophenyl)phosphine oxide		CAT# PH038	
		CAS#	
		Formula	C ₂₆ H ₂₄ BrF ₆ O ₂ P
		FW	593.34
13-(4-(Bis(3,4,5-trifluorophenyl)phosphoryl)phenoxy)tridecane-2,4-dione		CAT# PH039	
		CAS#	
		Formula	C ₃₁ H ₃₁ F ₆ O ₄ P
		FW	612.54
2,4,6-Tris(3-(1H-pyrazol-1-yl)phenyl)-1,3,5-triazine		CAT# PH040	
		CAS#	
		Formula	C ₃₀ H ₂₁ N ₉
		FW	507.55

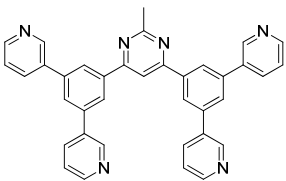
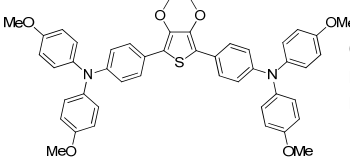
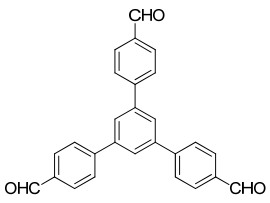
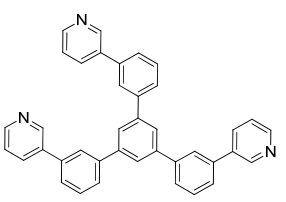
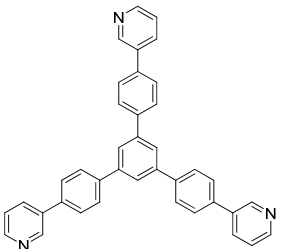
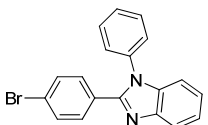
2,4,6-Tris(3-(pyridin-3-yl)phenyl)-1,3,5-triazine CAT# PH041	 CAS# [939430-26-9] Formula $C_{36}H_{24}N_6$ FW 540.62
4,4',4''-(1,3,5-Triazine-2,4,6-triyl)trianiline CAT# PH042	 CAS# [14544-47-9] Formula $C_{21}H_{18}N_6$ FW 354.41
3-(4,6-Diphenyl-1,3,5-triazin-2-yl)-9-phenyl-9H-carbazole CAT# PH043	 CAS# [1313391-57-9] Formula $C_{33}H_{22}N_4$ FW 474.55
N^2,N^2-dimethyl-1,3,5-triazine-2,4,6-triamine CAT# OC1508	 CAS# [1985-46-2] Formula $C_5H_{10}N_6$ FW 154.18
N^2,N^2,N^4,N^6,N^6-hexa(pyridin-2-yl)-1,3,5-triazine-2,4,6-triamine CAT# PH044	 CAS# [432551-43-4] Formula $C_{33}H_{24}N_{12}$ FW 588.62
2-Chloro-4,6-bis(dibenzo[b,d]furan-3-yl)-1,3,5-triazine CAT# PH045	 CAS# / Formula $C_{27}H_{14}ClN_3O_2$ FW 447.87

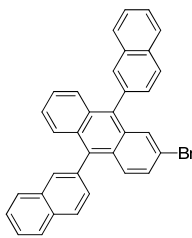
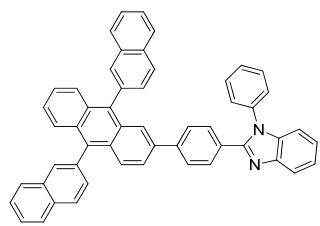
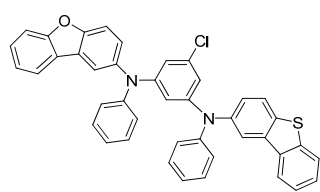
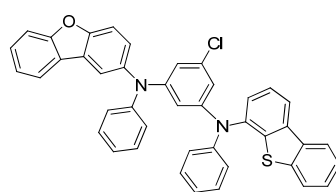
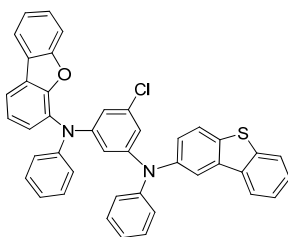
2-Chloro-4,6-bis(11,11-dimethyl-11H-benzo[b]fluoren-2-yl)-1,3,5-triazine b-Body CAT# PH046	 CAS# / Formula $C_{41}H_{30}ClN_3$ FW 600.16
2,4-Dichloro-6-(11,11-dimethyl-11H-benzo[b]fluoren-2-yl)-1,3,5-triazine CAT# PH049	 CAS# / Formula $C_{22}H_{15}Cl_2N_3$ FW 392.28
(4-(Bis(4-methoxyphenyl)amino)phenyl)boronic acid CAT# BA050	 CAS# [201802-29-1] Formula $C_{20}H_{20}BNO_4$ FW 349.19
(4-(Bis(4-(hexyloxy)phenyl)amino)phenyl)boronic acid CAT# BA053	 CAS# / Formula $C_{30}H_{40}BNO_4$ FW 489.45
(4-(Bis(4-(tert-butyl)phenyl)amino)phenyl)boronic acid CAT# BA051	 CAS# [851233-24-4] Formula $C_{26}H_{32}BNO_2$ FW 401.35
(4-(Bis(4-bromophenyl)amino)phenyl)boronic acid CAT# BA052	 CAS# [300700-19-0] Formula $C_{18}H_{14}Br_2NO_2$ FW 446.93

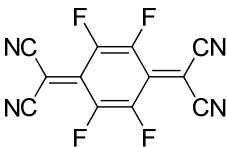
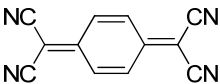
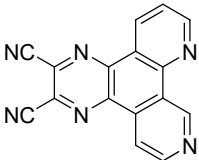
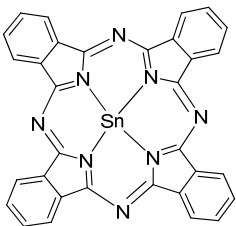
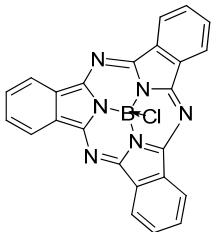
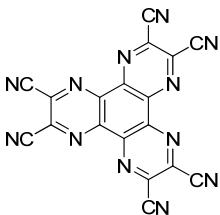
(4-(Bis(4-(octyloxy)phenyl)amino)phenyl)boronic acid CAT# BA055  CAS# Formula $C_{34}H_{48}BNO_4$ FW 545.56	4-Methoxy-N-(4-methoxyphenyl)-N-(4-(5-(trimethylstannyl)thiophen-2-yl)phenyl)aniline CAT# IN1960  CAS# Formula $C_{27}H_{29}NO_2SSn$ FW 550.30
4-Methoxy-N-(4-methoxyphenyl)-N-(4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl)aniline CAT# BA060  CAS# [875667-84-8] Formula $C_{26}H_{30}BNO_4$ FW 431.33	7-(4-(Bis(4-methoxyphenyl)amino)phenyl)benzo[c][1,2,5]thiadiazole-4-carbaldehyde CAT# IN2059  CAS# [2131058-21-2] Formula $C_{27}H_{21}N_3O_3S$ FW 467.54
3-Fluoro-N,N-bis(4-methoxyphenyl)-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)aniline CAT# BA066  CAS# [2459726-22-6] Formula $C_{26}H_{29}BFNO_4$ FW 449.33	N¹-phenyl-N⁴,N⁴-bis(4-(phenyl(p-tolyl)amino)phenyl)-N¹-(p-tolyl)benzene-1,4-diamine CAT# IN2061  CAS# [124729-98-2] Formula $C_{57}H_{48}N_4$ FW 789.04
4-Bromo-3-fluoro-N,N-bis(4-(methylthio)phenyl)aniline CAT# IN1958  CAS# Formula $C_{20}H_{17}BrFNS_2$ FW 434.39	Bis-biphenyl-4-yl-[4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-phenyl]-amine CAT# BA061  CAS# [952431-30-0] Formula $C_{36}H_{34}BNO_2$ FW 523.47
4-Methoxy-N-(4-methoxyphenyl)-N-(4-(thiophen-2-yl)phenyl)aniline CAT# IN1959  CAS# Formula $C_{24}H_{21}NO_2S$ FW 387.49	Tris(4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl)amine CAT# BA062  CAS# [267221-90-9] Formula $C_{36}H_{48}B_3NO_6$ FW 623.20

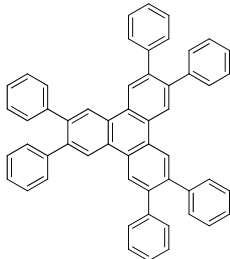
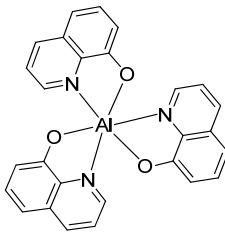
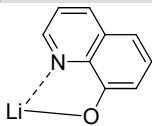
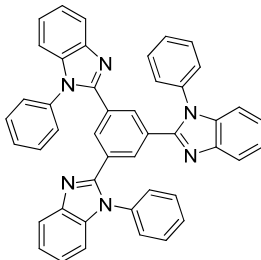
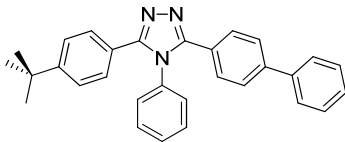
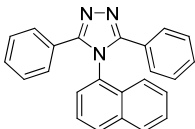
N-phenyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-N-(4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl)aniline	
CAT# BA064	
	CAS# [267221-89-6] Formula $C_{30}H_{37}B_2NO_4$ FW 497.24
N,N-diphenyl-4-(7-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)benzo[c][1,2,5]thiadiazol-4-yl)aniline	
CAT# BA063	
	CAS# [1883615-46-0] Formula $C_{30}H_{26}BN_3O_2S$ FW 505.44
Fluorescent Dopants	
9-(9-phenylcarbazole-3-yl)-10-(naphthalene-1-yl)anthracene	
CAT# FD001	
	CAS# Formula $C_{42}H_{27}N$ FW 545.67
Fluorescent Host Materials	
1,4-Di(pyren-1-yl)benzene	
CAT# FH001	
	CAS# [475460-77-6] Formula $C_{38}H_{22}$ FW 478.58
Hole Transport Materials	
N,N'-Bis(naphthalen-2-yl)-N,N'-bis(phenyl)-benzidine	
β-NPB CAT# HT005	
	CAS# [139255-17-7] Formula $C_{44}H_{32}N_2$ FW 588.74 λ_{ab} 349 nm (THF) λ_{em} 416 nm (THF)
N,N'-Bis(3-methylphenyl)-N,N'-bis(phenyl)benzidine	
TPD CAT# HT006	
	CAS# [65181-78-4] Formula $C_{38}H_{32}N_2$ FW 516.7

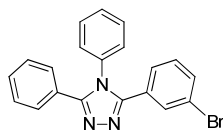
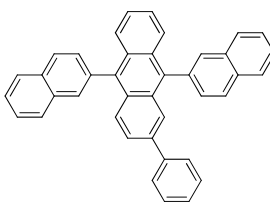
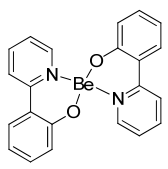
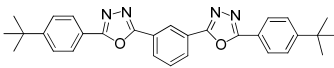
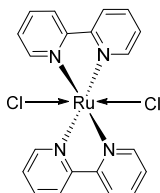
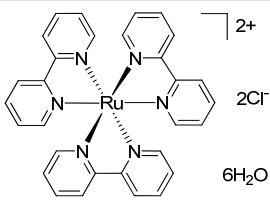
1,1'-Bis(4-(dip-tolylamino)phenyl)cyclohexane	
TAPC CAT# HT007	
	CAS# [58473-78-2] Formula $C_{46}H_{46}N_2$ FW 626.87
N,N'-Bis(naphthalen-1-yl)-N,N'-bis(phenyl)-benzidine	
α-NPB CAT# HT008	
	CAS# [123847-85-8] Formula $C_{44}H_{32}N_2$ FW 588.74
N,N'-Di(naphthalen-1-yl)-N,N'-diphenyl-9H-fluorene-2,7-diamine	
CAT# HT010	
	CAS# [273381-61-6] Formula $C_{45}H_{32}N_2$ FW 600.75
N',N'-bis(4-bromophenyl)-N',N'-diphenylbenzene-1,4-diamine	
CAT# IN1300	
	CAS# [525602-17-9] Formula $C_{30}H_{22}Br_2N_2$ FW 570.32
4,4'-(1,4-Phenylenebis(p-tolylazanediy))dibenzaldehyde	
CAT# IN1301	
	CAS# [131660-39-4] Formula $C_{34}H_{28}N_2O_2$ FW 496.60
4,4'-(Biphenyl-4,4'-diylbis(1-naphthalene-1-ylazanediy))dibenzaldehyde	
CAT# IN1303	
	CAS# [854938-56-0] Formula $C_{46}H_{32}N_2O_2$ FW 644.76
(4-((4-Butylphenyl)(4'-((4-butylphenyl)(phenyl)amino)biphenyl-4-yl)amino)phenyl)methanol	
CAT# IN1005	
	CAS# [275793-98-1] Formula $C_{45}H_{46}N_2O$ FW 630.86

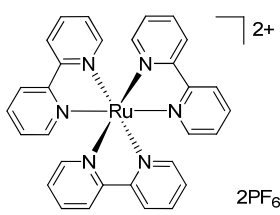
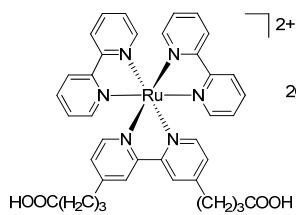
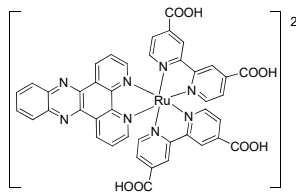
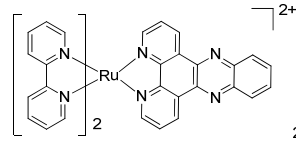
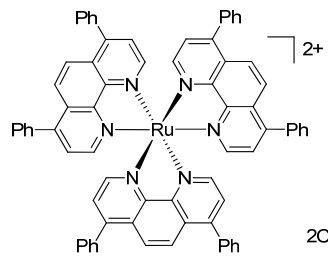
4,6-Bis(3,5-di(pyridin-3-yl)phenyl)-2-methylpyrimidine	
CAT# HT012	
	CAS# [925425-96-3] Formula C ₃₇ H ₂₆ N ₆ FW 554.64
4,4'-(2,3-Dihydrothieno[3,4-b][1,4]dioxine-5,7-diyl)bis(<i>N,N</i>-bis(4-methoxyphenyl)aniline)	
CAT# HT035	
	CAS# [1622008-73-4] Formula C ₄₆ H ₄₀ N ₂ O ₆ S FW 748.88
5'-(4-Formylphenyl)-[1,1':3',1''-terphenyl]-4,4''-dicarbaldehyde	
CAT# HT014	
	CAS# [118688-53-2] Formula C ₂₇ H ₁₈ O ₃ FW 390.43
1,3,5-Tri(<i>m</i>-pyrid-3-yl-phenyl)benzene	
CAT# HT015	
	CAS# [921205-03-0] Formula C ₃₉ H ₂₇ N ₃ FW 537.65
1,3,5-Tri(<i>p</i>-pyrid-3-yl-phenyl)benzene	
CAT# HT016	
	CAS# [921205-02-9] Formula C ₃₉ H ₂₇ N ₃ FW 537.65
2-(4-Bromophenyl)-1-phenyl-1<i>H</i>-benzo[d]imidazole	
CAT# HT017	
	CAS# [2620-76-0] Formula C ₁₉ H ₁₃ BrN ₂ FW 349.22

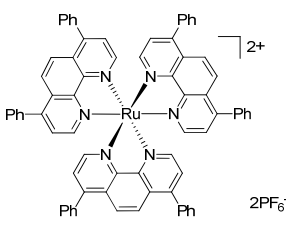
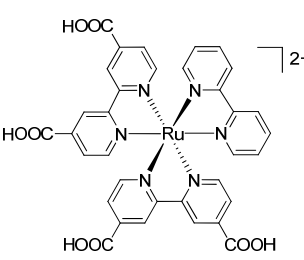
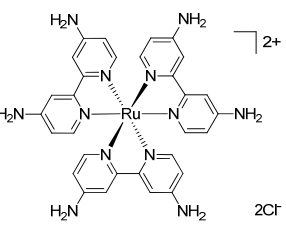
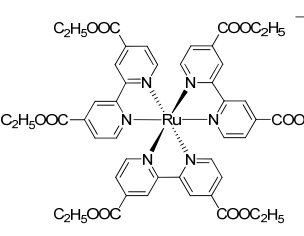
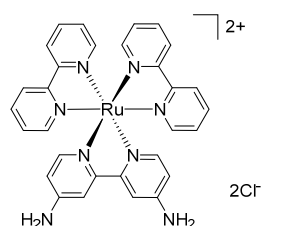
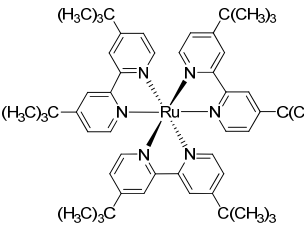
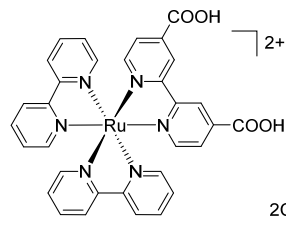
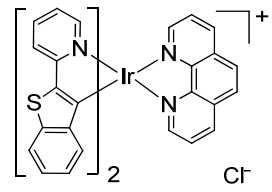
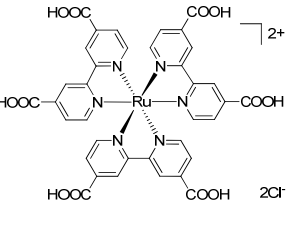
2-Bromo-9,10-di(naphthalen-2-yl)anthracene	
CAT# HT019	
	CAS# [474688-76-1] Formula C ₃₄ H ₂₁ Br FW 509.43.
2-(4-(9,10-Di(naphthalen-2-yl)anthracen-2-yl)phenyl)-1-phenyl-1<i>H</i>-benzo[d]imidazole	
CAT# HT020	
	CAS# Formula C ₅₃ H ₃₄ N ₂ FW 698.85
5-Chloro-<i>N</i>'-(dibenzo[<i>b,d</i>]furan-2-yl)-<i>N</i>'-(dibenzo[<i>b,d</i>]thiophen-2-yl)-<i>N</i>',<i>N</i>'-diphenylbenzene-1,3-diamine	
CAT# HT042	
	CAS# / Formula C ₄₂ H ₂₇ ClN ₂ OS FW 643.19
5-Chloro-<i>N</i>'-(dibenzo[<i>b,d</i>]furan-2-yl)-<i>N</i>'-(dibenzo[<i>b,d</i>]thiophen-4-yl)-<i>N</i>',<i>N</i>'-diphenylbenzene-1,3-diamine	
CAT# HT043	
	CAS# / Formula C ₄₂ H ₂₇ ClN ₂ OS FW 643.19.
5-Chloro-<i>N</i>'-(dibenzo[<i>b,d</i>]furan-4-yl)-<i>N</i>'-(dibenzo[<i>b,d</i>]thiophen-2-yl)-<i>N</i>',<i>N</i>'-diphenylbenzene-1,3-diamine	
CAT# HT044	
	CAS# / Formula C ₄₂ H ₂₇ ClN ₂ OS FW 643.19

Hole Injection Materials		
2,3,5,6-Tetrafluoro-7,7,8,8-tetracyanoquinodimethane		
F4-TCNQ		CAT# HI003
	CAS# [29261-33-4] Formula $C_{12}F_4N_4$ FW 276.15	
(2,5-Cyclohexadiene-1,4-diylidene)-dimalononitrile		
TCNQ		CAT# HI004
	CAS# [1518-16-7] Formula $C_{12}H_4N_4$ FW 204.19	
Pyrazino[2,3-f][1,10]phenanthroline-2,3-dicarbonitrile		
PPDN		CAT# HI005
	CAS# [215611-93-1] Formula $C_{16}H_6N_6$ FW 282.26	
Tin(II) Phthalocyanine		
SnPC		CAT# HI006
	CAS# [15304-57-1] Formula $C_{32}H_{16}N_8Sn$ FW 631.23	
Boron subphthalocyanine chloride		
SubPc		CAT# HI007
	CAS# [36530-06-0] Formula $C_{24}H_{12}BN_3Cl$ FW 430.66	
Hexaazatriphenylenehexacarbonitrile		
HAT-CN		CAT# HI010
	CAS# [105598-27-4] Formula $C_{18}N_{12}$ FW 384.27	

Electron Injection Materials		
2,3,6,7,10,11-Hexaphenyltriphenylene		
		CAT# EI003
	CAS# [836671-27-3] Formula $C_{54}H_{36}$ FW 684.86	
Electron Transport Materials		
Tris(8-hydroxyquinolato)aluminum		
Alq3		CAT# ET001
	CAS# [2085-33-8] Formula $C_{27}H_{18}AlN_3O_3$ FW 459.43	
8-Hydroxyquinolinolato-lithium		
Liq		CAT# ET002
	CAS# [850918-68-2] Formula C_9H_6LiNO FW 151.09	
2,2',2''-(1,3,5-Benzenetriyl)tris(1-phenyl-1H-benzimidazole)		
TPBi		CAT# ET003
	CAS# [192198-85-9] Formula $C_{45}H_{30}N_6$ FW 654.76	
3-(4-Biphenyl)-4-phenyl-5-tert-butylphenyl-1,2,4-triazole		
TAZ		CAT# ET004
	CAS# [150405-69-9] Formula $C_{30}H_{27}N_3$ FW 429.56	
4-(Naphthalen-1-yl)-3,5-diphenyl-4H-1,2,4-triazole		
NTAZ		CAT# ET005
	CAS# [16152-10-6] Formula $C_{24}H_{17}N_3$ FW 347.41	

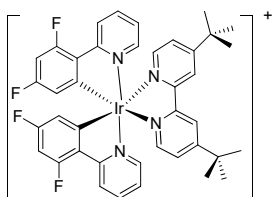
3-(3-Bromophenyl)-4,5-diphenyl-4H-1,2,4-triazole	
CAT# ET009	
	CAS# [1388231-53-5] Formula $C_{20}H_{14}BrN_3$ FW 376.25
2-Phenyl-9,10-di(naphthalen-2-yl)-anthracene	
PADN CAT# ET006	
	CAS# [865435-20-7] Formula $C_{40}H_{26}$ FW 506.63 λ_{ab} 284 nm (CH_2Cl_2) λ_{em} 440 nm (CH_2Cl_2)
Bis(2-(2-hydroxyphenyl)-pyridine)beryllium	
Be(PP)₂ CAT# ET007	
	CAS# [220694-90-6] Formula $C_{22}H_{18}BeN_2O_2$ FW 349.39
2,2'-(1,3-Phenylene)bis[5-(4-tert-butylphenyl)-1,3,4-oxadiazole]	
CAT# ET010	
	CAS# [138372-67-5] Formula $C_{30}H_{30}N_4O_2$ FW 478.58
LEEC (Light Emitting Electrochemical Cell)	
Cis-Dichlorobis(2,2'-bipyridine)ruthenium (II)	
RU(bpy)₂Cl₂ CAT# RU001001Cl2	
	CAS# [98014-14-3] Formula $C_{20}H_{18}Cl_2N_4ORu$ FW 502.36
Tris(2,2'-bipyridyl)ruthenium(II)dichloride hexahydrate	
CAT# RU001001001Cl	
	CAS# [50525-27-4] Formula $C_{30}H_{24}Cl_2N_6Ru \cdot 6H_2O$ FW 748.62

Tris(2,2'-bipyridyl)ruthenium(II) bishexafluorophosphate	
CAT# RU001001001PF6	
	CAS# [60804-74-2] Formula $C_{30}H_{24}F_{12}N_6P_2Ru$ FW 859.54
Bis(2,2'-bipyridyl)(2,2'-bipyridine-4,4'-dibutanoic acid)ruthenium(II) dichloride	
CAT# RU001001442Cl	
	CAS# $C_{38}H_{36}Cl_2N_6O_4Ru$ Formula 812.8 FW
Bis(4,4'-Dicarboxyl-2,2'-bipyridyl)(4,5,9,14-Tetraaza-benzo[b]triphenyl ene)ruthenium(II) dichloride	
CAT# RU111029029Cl	
	CAS# $C_{42}H_{26}Cl_2N_8O_8Ru$ Formula 942.6 FW
Bis(2,2'-bipyridyl)(4,5,9,14-Tetraaza-benzo[b]triphenylene)ruthenium (II) dichloride	
CAT# RU001001111Cl	
	CAS# [155659-28-2] Formula $C_{38}H_{26}Cl_2N_8Ru$ FW 766.64
Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) dichloride	
CAT# RU088088088Cl	
	CAS# [36309-88-3] Formula $C_{72}H_{48}N_6Cl_2Ru$ FW 1169.17

Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) bishexafluorophosphate CAT# RU08808808PF6  CAS# [123148-15-2] Formula $C_{72}H_{48}F_{12}N_6P_2Ru$ FW 1388.19	Bis(4,4'-dicarboxylicacid-2,2'-bipyridyl)(2,2'-bipyridyl)ruthenium(II) bishexafluorophosphate CAT# RU001029029PF6  CAS# Formula $C_{34}H_{24}F_{12}N_6O_8P_2Ru$ FW 1035.59
Tris([2,2'-bipyridine]-4,4'-diamine)ruthenium(II)dichloride CAT# RU019019019CI  CAS# / Formula $C_{33}H_{38}Cl_2N_{12}Ru$ FW 774.71	Tris(4,4'-diethoxycarbonyl-2,2'-bipyridyl)ruthenium(II) bishexafluorophosphate CAT# RU037037037PF6  CAS# Formula $C_{48}H_{48}F_{12}N_6O_{12}P_2Ru$ FW 1291.92
Bis(2,2'-bipyridyl)([2,2'-bipyridine]-4,4'-diamine)ruthenium(II) dichloride CAT# RU019001001CI  CAS# / Formula FW	Tris(4,4'-di-tertbutyl-2,2'-bipyridyl)ruthenium(II) dichloride CAT# RU030030030CI  CAS# [808143-93-3] Formula $C_{54}H_{72}N_6Cl_2Ru$ FW 977.18
Bis(2,2'-bipyridyl)(4,4'-dicarboxyl-2,2'-bipyridyl)ruthenium(II) dichloride CAT# RU029001001CI  CAS# 68846-36-6 CAS# [258334-13-3] Formula $C_{32}H_{23}ClN_6O_4Ru$ FW 692.09	Bis(2-(benzo[b]thiophen-2-yl)pyridyl-C²,N')(2-Benzo[h]quinoline) iridium(III) chloride CAT# IR068629629CI  CAS# Formula $C_{38}H_{24}N_4S_2ClIr$ FW 828.1 λ_{em} 522 nm (acetonitrile)
Tris(4,4'-dicarboxylicacid-2,2'-bipyridyl)ruthenium(II) dichloride Ru(dcbpy)3Cl2 CAT# RU029029029CI  CAS# [97333-46-5] Formula $C_{36}H_{24}N_6O_{12}Cl_2Ru$ FW 904.59	

Bis(4,6-difluoro-2-(2-pyridyl)phenyl- C^2,N)(4,4'-Di-*tert*-butyl-[2,2']bipyridinyl) iridium(III)hexafluorophosphate

CAT# Ir(fppy)2(dtbbpy)PF6

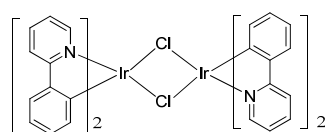


PF₆⁻ CAS#
Formula C₄₀H₃₆F₁₀IrN₄P
FW 985.0

Dichloro-bridged Iridium(III) Complexes

Tetrakis(2-phenylpyridine- C^2,N')(μ -dichloro)diiridium(III)

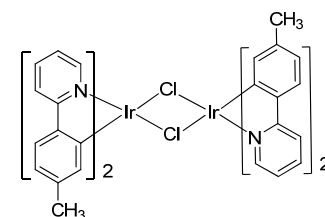
CAT# 2IR601



CAS# [92220-65-0]
Formula C₄₄H₃₂Cl₂Ir₂N₄
FW 1072.09

Tetrakis(2-(*p*-tolyl)pyridine- C^2,N')(μ -dichloro)diiridium(III)

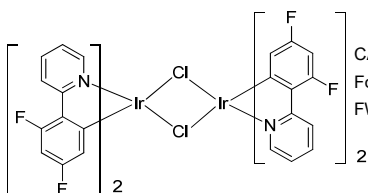
CAT# 2IR602



CAS#
Formula C₄₈H₄₀Cl₂Ir₂N₄
FW 1128.22

Tetrakis(4,6-difluoro-2-(2-pyridyl)phenyl- C^2,N)(μ -dichloro)diiridium(III)

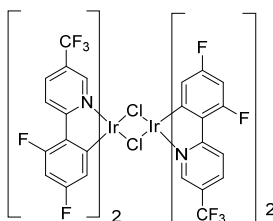
CAT# 2IR604



CAS# [562824-27-5]
Formula C₄₄H₂₄Cl₂Ir₂N₄F₈
FW 1216.02

Iridium, di- μ -chlorotetrakis[3,5-difluoro-2-[5-(trifluoromethyl)-2-pyridinyl- κN]phenyl- κC]di-

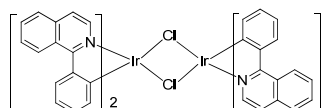
CAT# 2IR648



CAS# [870987-64-7]
Formula
FW

Tetrakis(1-phenylisoquinoline- C^2,N')(μ -dichloro)diiridium(III)

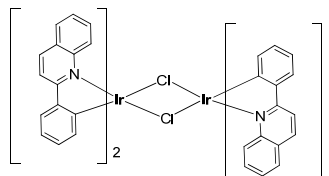
CAT# 2IR617



CAS#
Formula C₆₀H₄₀Cl₂Ir₂N₄
FW 1272.33

Tetrakis(2-phenylquinoline- C^2,N')(μ -dichloro)diiridium(III)

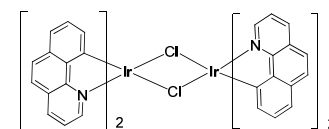
CAT# 2IR618



CAS#
Formula C₆₀H₄₀Cl₂Ir₂N₄
FW 1272.33

Tetrakis(benzo[*h*]quinoline- C^2,N')(μ -dichloro)diiridium(III)

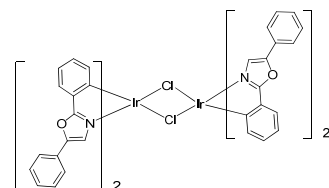
CAT# 2IR621



CAS#
Formula C₅₂H₃₂Cl₂Ir₂N₄
FW 1168.18

Tetrakis(2,5-diphenyloxazole- C^2,N')(μ -dichloro)diiridium(III)

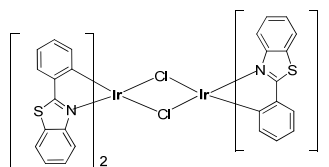
CAT# 2IR624



CAS#
Formula C₆₀H₄₀Cl₂Ir₂N₄O₄
FW 1336.32

Tetrakis(2-phenylbenzothiazole- C^2,N')(μ -dichloro)diiridium(III)

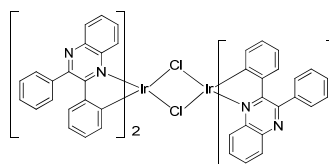
CAT# 2IR625



CAS#
Formula C₅₂H₃₂Cl₂Ir₂N₄S₄
FW 1296.44

Tetrakis(2,3-diphenylquinoxaline- C^2,N')(μ -dichloro)diiridium(III)

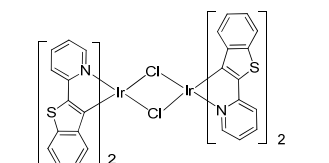
CAT# 2IR628



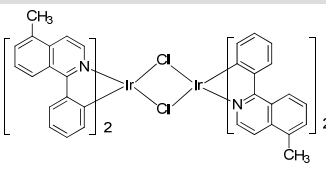
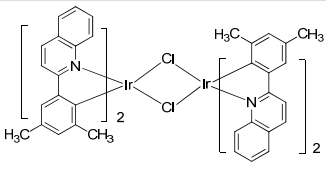
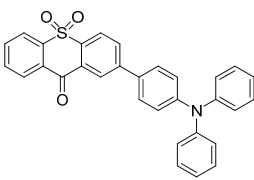
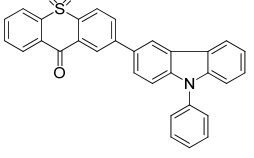
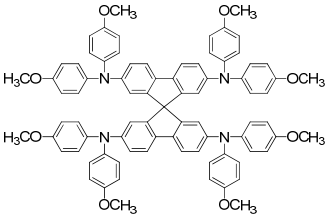
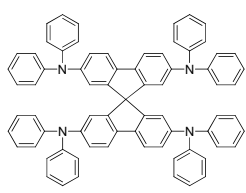
CAS#
Formula C₈₀H₅₂Cl₂Ir₂N₈
FW 1580.66

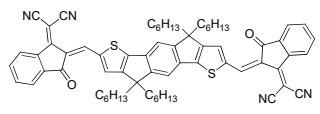
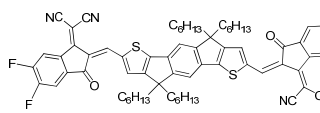
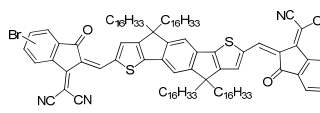
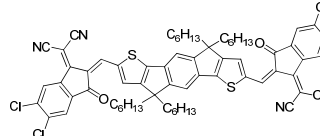
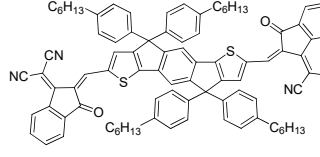
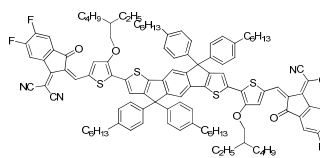
Tetrakis(2-(benzo[*b*]thiophen-2-yl)pyridine- C^2,N')(μ -dichloro)diiridium(III)

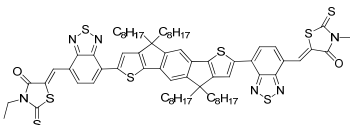
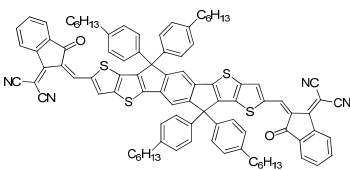
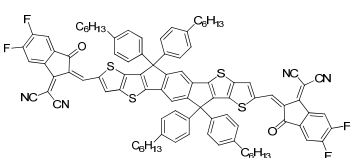
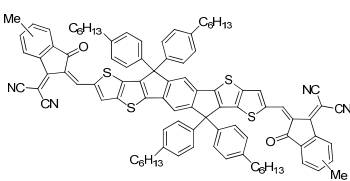
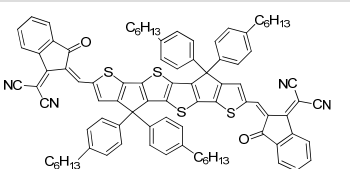
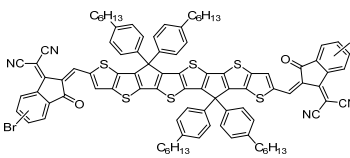
CAT# 2IR629

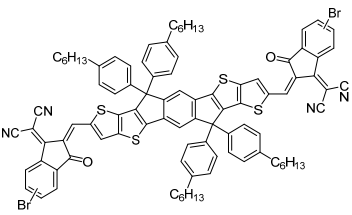
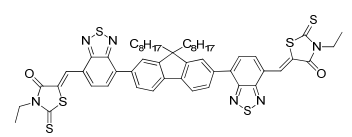
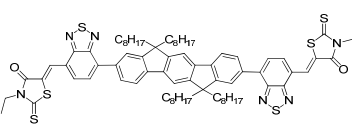
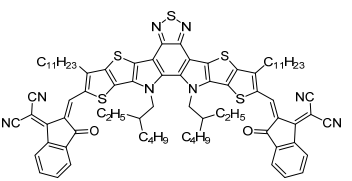
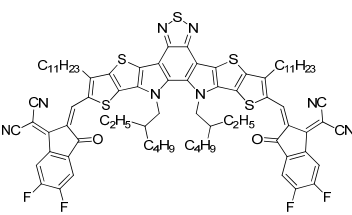


CAS#
Formula C₅₂H₃₂Cl₂Ir₂N₄S₄
FW 1296.44

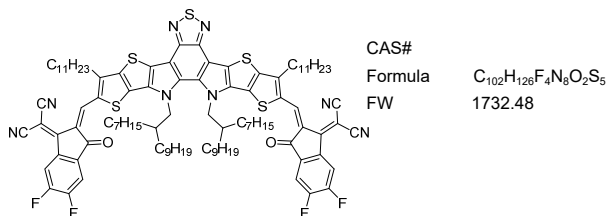
Tetrakis(5-methyl-1-phenylisoquinoline-C²,N')(μ-dichloro) diiridium(III) CAT# 2IR632	
	CAS# Formula C ₆₄ H ₄₈ Cl ₂ Ir ₂ N ₄ FW 1328.46
Tetrakis(2-(3,5-Dimethylphenyl)quinoline-C²,N')(μ-dichloro) diiridium(III) CAT# 2IR633	
	CAS# Formula C ₆₈ H ₅₆ Cl ₂ Ir ₂ N ₄ FW 1384.54
TADF Materials	
2-[4-(Diphenylamino) phenyl]-10, 10-dioxide-9H-thioxanthen-9-one TXO-TPA CAT# TF001	
	CAS# [1623010-63-8] Formula: C ₃₁ H ₂₁ NO ₃ S FW: 487.57 UV: 396 nm (in Toluene) PL: 625 nm (film) TGA: >250 °C (0.5% weight loss)
2-(9-Phenyl-9H-carbazol-3-yl)-10,10-dioxide-9H-thioxanthen-9-one TXO-PhCz CAT# TF002	
	CAS# [1623010-64-9] Formula: C ₃₁ H ₁₉ NO ₃ S FW: 485.55 UV: 415 nm (in Toluene) PL: 570 nm (film) TGA: >250 °C (0.5% weight loss)
OPV & OTFT Materials/ Monomer/ Intermediates	
2,2',7,7'-Tetrakis(N,N-p-dimethoxyphenylamino)-9,9'-spirobifluorene Spiro-MeOTAD CAT# OP001	
	CAS# [207739-72-8] Formula: C ₈₁ H ₆₈ N ₄ O ₈ FW: 1225.43
N²,N^{2'},N^{2''},N^{2'''},N⁷,N^{7'},N^{7''},N^{7'''}-octaphenyl-9,9'-spirobi[fluorene]-2,2',7,7'-tetraamine Spiro-TAD CAT# OP005	
	CAS# [189363-47-1] Formula C ₇₃ H ₅₂ N ₄ FW 985.22

2,2'-(2Z,2'Z)-((4,4,9,9-tetrahexyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(methanylylidene))bis(3-oxo-2,3-dihydro-1H-indene-2,1-diylidene)dimalononitrile IDIC CAT# OP011	
	CAS# [1883441-92-6] Formula C ₆₆ H ₆₆ N ₄ O ₂ S ₂ FW 1011.39
2,2'-(2Z,2'Z)-((4,4,9,9-tetrahexyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene)dimalononitrile IDIC-4F CAT# OP012	
	CAS# [2229934-71-6] Formula C ₆₆ H ₆₂ F ₄ N ₄ O ₂ S ₂ FW 1083.35
IDIC-C16-Br CAT# OP013	
	CAS# / Formula C ₆₆ H ₆₄ Br ₂ N ₄ O ₂ S ₂ FW 1169.18
2,2'-(2Z,2'Z)-((4,4,9,9-tetrahexyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(methanylylidene))bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene)dimalononitrile IDIC-4Cl CAT# OP014	
	CAS# Formula C ₆₆ H ₆₂ Cl ₄ N ₄ O ₂ S ₂ FW 1149.17
2,2'-(2Z,2'Z)-((4,4,9,9-tetrakis(4-hexylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(methanylylidene))bis(3-oxo-2,3-dihydro-1H-indene-2,1-diylidene)dimalononitrile IDT-IC CAT# OP021	
	CAS# [2095504-33-7] Formula C ₉₀ H ₈₂ N ₄ O ₂ S ₂ FW 1315.77
2,2'-(2Z,2'Z)-((5',5''-(4,4,9,9-tetrakis(4-hexylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(4-((2-ethylhexyl)oxy)thiophene-5,2-diyl))bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene)dimalononitrile IEICO-4F CAT# OP023	
	CAS# [2089044-02-8] Formula C ₁₁₄ H ₁₁₄ F ₄ N ₄ O ₄ S ₄ FW 1808.40

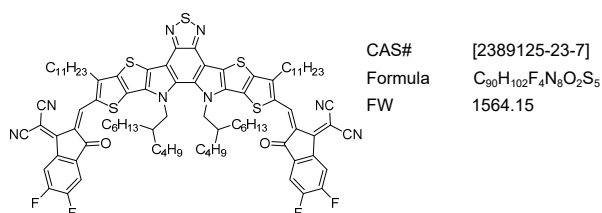
(5Z,5'Z)-5,5'-((7,7'-(4,4,9,9-tetraoctyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(benzo[c][1,2,5]thiadiazole-7,4-diyl))bis(methanylylidene))bis(3-ethylthiazolidine-2,4-dione) IDTBR		CAT# OP025	
	CAS#	[2077945-91-4]	
	Formula	C ₇₂ H ₈₈ N ₆ O ₂ S ₈	
	FW	1326.03	
2,2'-[[6,6,12,12-Tetrakis(4-hexylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene-2,8-diyl]bis[methyldiyn-(3-oxo-1H-indene-2,1(3H)-diylidene)]]bispropanedinitrile ITIC		CAT# OP031	
	CAS#	[1664293-06-4]	
	Formula	C ₉₄ H ₈₂ N ₄ O ₂ S ₄	
	FW	1427.94	
3,9-Bis(2-methylene-((3-(1,1-dicyanomethylene)-6,7-difluoro)-indanon e))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene IT-4F, ITIC-2F		CAT# OP032	
	CAS#	[2097998-59-7]	
	Formula	C ₉₄ H ₇₈ F ₄ N ₄ O ₂ S ₄	
	FW	1499.90	
IT-M		CAT# OP035	
	CAS#	[2107971-73-1]	
	Formula	C ₉₆ H ₈₆ N ₄ O ₂ S ₄	
	FW	1456.00	
Propanedinitrile, 2, 2'-[[4,4,9,9-tetrakis(4-hexylphenyl)-4,9-dihydrothie no[3',2':4,5]cyclopenta[1,2-b]thieno[2'',3'':3',4']cyclopenta[1',2':4,5]thi eno[2,3-d]thiophene-2,7-diyl]bis[methyldiyn-(3-oxo-1H-indene-2,1(3H)-diylidene)]]bis- IHIC		CAT# OP040	
	CAS#	[2127354-15-6]	
	Formula	C ₉₀ H ₈₀ N ₄ O ₂ S ₄	
	FW	1377.88	
6-TIC-mix		CAT# OP037	
	CAS#		
	Formula		
	FW		

IT-2Br IT-2Br		CAT# OP036	
	CAS#	[2229951-03-3] Or [2408481-68-3]	
	Formula	C ₉₄ H ₈₀ N ₄ O ₂ S ₆	
	FW	1490.06	
(5Z,5'Z)-5,5'-((7,7'-(9,9-dioctyl-9H-fluorene-2,7-diyl)bis(benzo[c][1,2,5]t hiadiazole-7,4-diyl))bis(methanylylidene))bis(3-ethyl-2-thioxothiazolid in-4-one) FBR		CAT# OP045	
	CAS#	[1644381-95-2]	
	Formula	C ₅₃ H ₅₆ N ₆ O ₂ S ₆	
	FW	1001.44	
(5Z,5'Z)-5,5'-((7,7'-(6,6,12,12-tetraoctyl-6,12-dihydroindeno[1,2-b]fluor ene-2,8-diyl)bis(benzo[c][1,2,5]thiadiazole-7,4-diyl))bis(methanylylide ne))bis(3-ethyl-2-thioxothiazolidin-4-one) IDFBR		CAT# OP048	
	CAS#	[2088628-64-0]	
	Formula	C ₇₆ H ₉₂ N ₆ O ₂ S ₆	
	FW	1313.97	
2,2'-((2Z,2'Z)-((12,13-bis(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-[1, 2,5]thiadiazolo[3,4-e]thieno[2'',3'':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]th ieno[2',3':4,5]thieno[3,2-b]indole-2,10-diyl)bis(methanylylidene))bis(3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile Y5		CAT# OP049	
	CAS#	[2304444-48-0]	
	Formula	C ₈₂ H ₉₀ N ₈ O ₂ S ₅	
	FW	1379.98	
2,2'-((2Z,2'Z)-((12,13-bis(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-[1, 2,5]thiadiazolo[3,4-e]thieno[2'',3'':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]th ieno[2',3':4,5]thieno[3,2-b]indole-2,10-diyl)bis(methanylylidene)) bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene)) dimalononitrile Y6		CAT# OP050	
	CAS#	[2304444-49-1]	
	Formula	C ₈₂ H ₈₆ F ₄ N ₈ O ₂ S ₅	
	FW	1451.93	

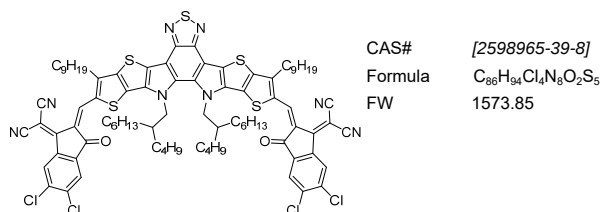
2,2'-(2Z,2'Z)-((12,13-bis(2-heptylundecyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-diyl)bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

HU-Y6
CAT# OP053


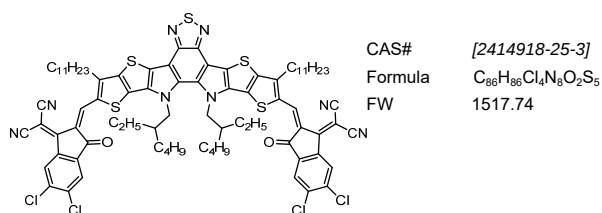
2,2'-(2Z,2'Z)-((12,13-bis(2-butyloctyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-diyl)bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

BTP-4F-12, Y6-BO, Y12
CAT# OP054


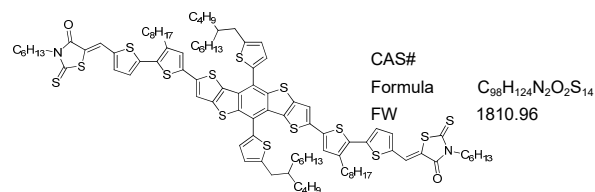
2,2'-[12,13-Bis(2-butyloctyl)-12,13-dihydro-3,9-dinonylbisthieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-e:2',3'-g][2,1,3]benzothiadiazole-2,10-diyl]bis(methanylylidene))bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))bis[propanedinitrile]

BTP-eC9
CAT# OP051


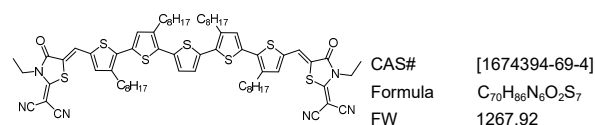
2,2'-(2Z,2'Z)-((12,13-bis(2-butyloctyl)-3,9-dinonyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-diyl)bis(methanylylidene))bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile

Y7, BTP-4Cl, Y6Cl, TPTTI-4Cl
CAT# OP055


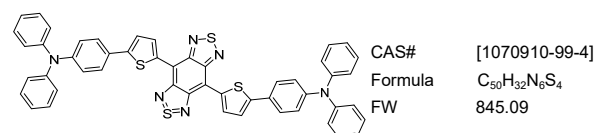
2,7-(2-(3-Hexyl-2-thioxothiazolidin-4-one-yl)-(5-thiophene-yl))-5,10-bis(2-butyloctylthienyl)benzo[1,2-b:4,5-b']dithieno[3,2-b]thiophene

ZR1
CAT# ZR1


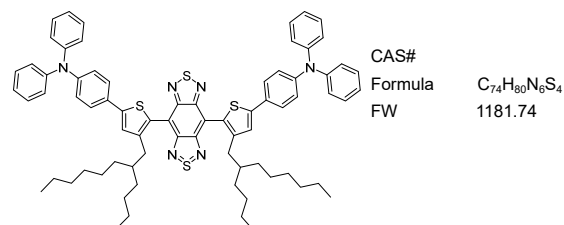
2,2'-(5Z,5'Z)-((3,3'',3''',4'-tetraoctyl-[2,2':5,2'':5'',2''':5''',2''''-quinquethiophene]-5,5''''-diyl)bis(methanylylidene))bis(3-ethyl-4-oxothiazolidin e-5,2-diylidene))dimalononitrile

DCRN5T
CAT# OP065


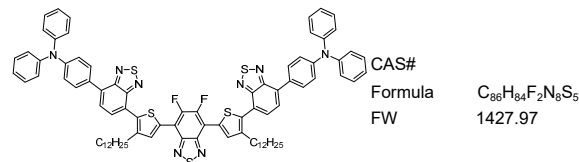
4,4'-Benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole-4,8-diyl-di-5,2-thiophenediyl)bis[N,N-bis(phenyl)benzenamine

CAT# OP062


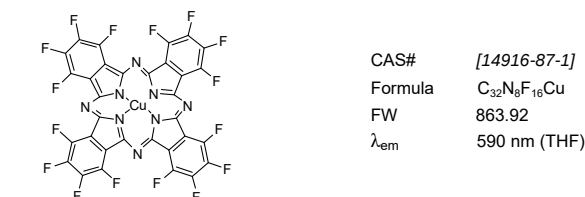
4,4'-Benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole-4,8-diyl-di-5,2-[3-(2-butyloctyl)thiophene]-diyl)bis[N,N-bis(4-phenyl) benzenamine

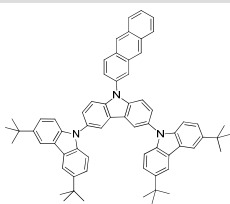
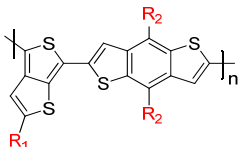
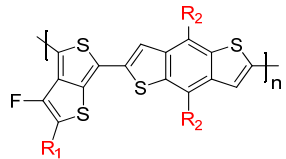
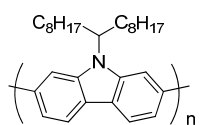
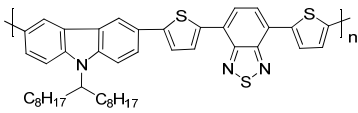
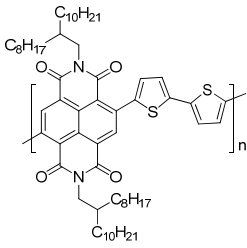
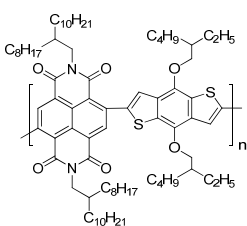
CAT# OP064


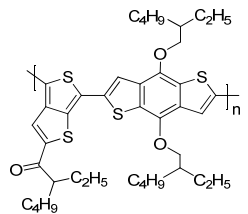
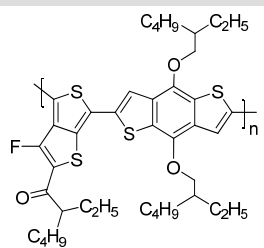
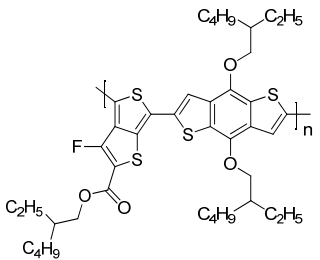
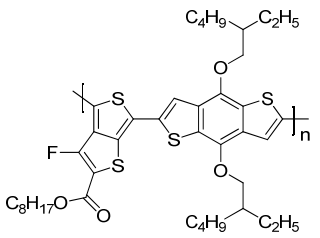
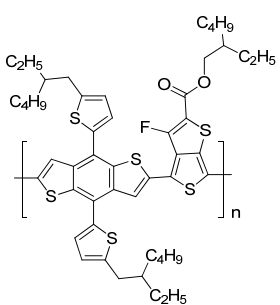
4,4'-(((5,6-Difluorobenzo[c][1,2,5]thiadiazole-4,7-diyl)bis(3-dodecylthiophene-5,2-diyl))bis(benzo[c][1,2,5]thiadiazole-7,4-diyl))bis(N,N-diphenylaniline)

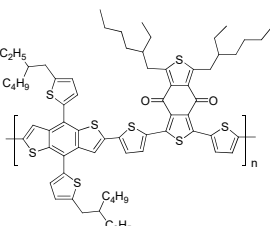
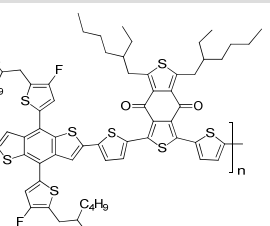
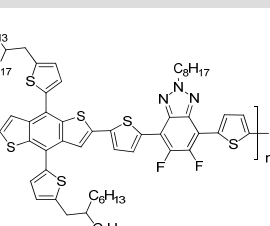
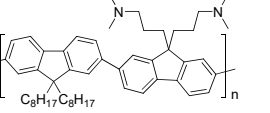
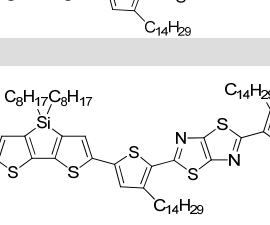
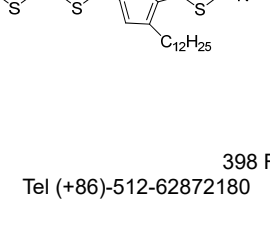
CAT# OP066


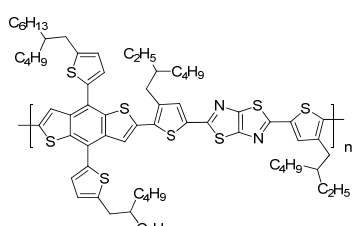
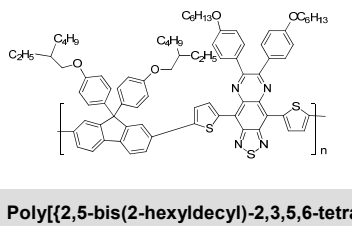
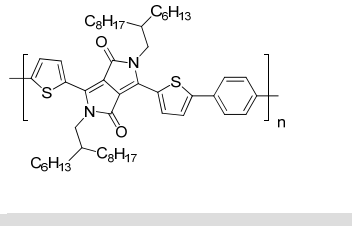
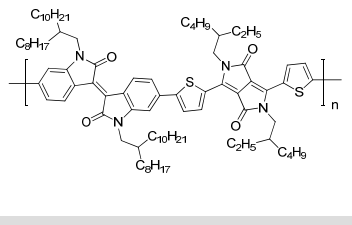
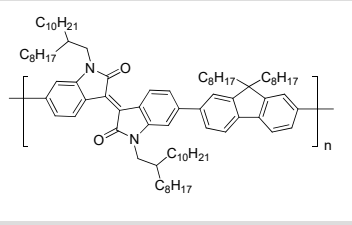
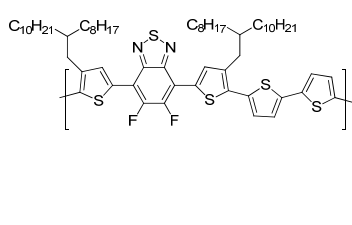
Copper(II)1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29H,31H-phthalocyanine

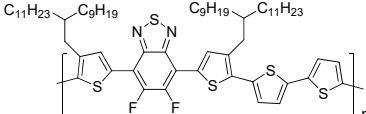
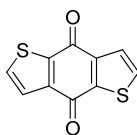
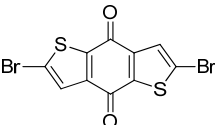
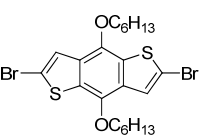
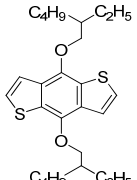
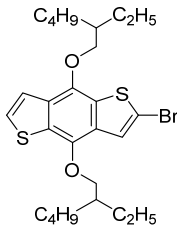
F16CuPC
CAT# OE001


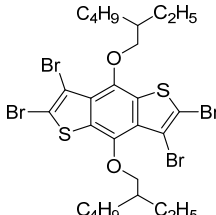
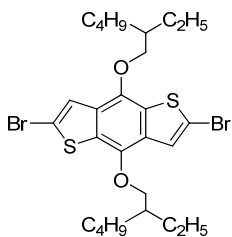
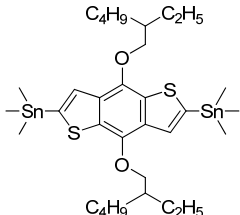
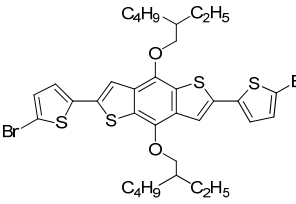
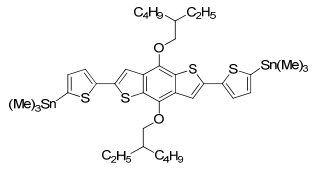
9'-(Anthracen-2-yl)-3,3'',6,6''-tetra-tert-butyl-9'H,9,3':6',9''-tercarbazole CAT# OE002	
	CAS# [1332640-08-0] Formula $C_{66}H_{63}N_3$ FW 898.23
CAT# OP002	
	Custom synthesis Please inquire
CAT# OP003	
	Custom synthesis Please inquire
Poly[n-(1-octylonyl)-9h-carbazole-2,7-diyl] PCz	
	CAT# Sunamer503 CAS# [1093292-01-3] Formula $(C_{29}H_{41}N)_n$
Poly[[9-(1-octylonyl)-9H-carbazole-2,7-diyl]-2,5-thiophenediyl-2,1,3-benzothiadiazole-4,7-diyl-2,5-thiophenediyl] PCDTBT	
	CAT# Sunamer502 CAS# [958261-50-2] Formula $(C_{43}H_{47}N_3S_3)_n$
Poly(2,7-bis(2-octyldodecyl)benzo[lmn][3,8]phenanthroline-1,3,6,8(2H,7H)-tetraone-4,9-diyl)([2,2']bithiophenyl-5,5'-diyl) N2200	
	CAT# Sunamer901 CAS# [1100243-40-0] Formula $(C_{62}H_{90}N_2S_2O_4)_n$
CAT# Sunamer902	
	

CAT# Sunamer101	
	
CAT# Sunamer102	
	
Poly[[4,8-bis[(2-ethylhexyl)oxy]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl][3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-b]thiophenediyl]] PTB7	
	CAT# Sunamer103 CAS# [1266549-31-8] Formula $(C_{41}H_{53}FO_4S_4)_n$
Poly-[[4,8-bis[(2-ethylhexyl)oxy]-benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]-alt-[3-fluore-2-(octyloxy)-carbonylthieno[3,4-b]thiophene-4,6-diyl]] PTB4	
	CAT# Sunamer104 CAS# [1266549-31-8] Formula $(C_{41}H_{53}FO_4S_4)_n$
Poly[4,8-bis(5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl-alt-(4-(2-ethylhexyl)-3-fluorothieno[3,4-b]thiophene-)-2-carboxylate-2,6-diyl] PTB-TH	
	CAT# Sunamer105 CAS# [1469791-66-9] Formula $(C_{49}H_{59}FO_2S_6)_n$

Poly[(2,6-(4,8-bis(5-(2-ethylhexyl)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene))-alt-(5,5-(1',3'-di-2-thienyl-5',7'-bis(2-ethylhexyl)benzo[1',2'-c:4',5'-c']dithiophene-4,8-dione)] PBDB-T	
	
CAS#	[145929-80-4]
Formula	(C ₆₈ H ₇₈ O ₂ S ₈) _n
Poly[(2,6-(4,8-bis(5-(2-ethylhexyl-3-fluoro)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene))-alt-(5,5-(1',3'-di-2-thienyl-5',7'-bis(2-ethylhexyl)benzo[1',2'-c:4',5'-c']dithiophene-4,8-dione)] PBDB-T-2F	
	
CAS#	[1802013-83-7]
Formula	
Poly[(5,6-difluoro-2-octyl-2H-benzotriazole-4,7-diyl)-2,5-thiophenediyl [4,8-bis[5-(2-hexyldecyl)-2-thienyl]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]-2,5-thiophenediyl] J51	
	
CAS#	[1393529-03-7]
Formula	
Poly[(9,9-bis(3'-(N,N-dimethylamino)propyl)-2,7-fluorene)-alt-2,7-(9,9-ioctylfluorene)] PFN	
	
CAS#	[673474-74-3]
Formula	(C ₅₂ H ₇₀ N ₂) _n
Poly[(9,9-bis(4-(2-ethylhexyl)phenyl)fluorene)-alt-co-6,7-bis(4-(hexyloxy)phenyl)-4,9-di(thiophen-2-yl)-thiadiazoloquinoline] PFTTQ	
	
CAS#	
Formula	(C ₈₁ H ₈₆ N ₄ O ₄ S ₃) _n
Poly[(2,5-bis(2-hexyldecyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo[3,4-c]pyrrole-1,4-diyl)-alt-([2,2'-(1,4-phenylene)bisthiophene]-5,5'-diyl)] PDPPTPT	
	
CAS#	
Formula	(C ₅₂ H ₇₄ N ₂ O ₂ S ₂) _n

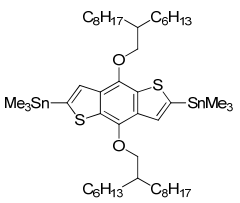
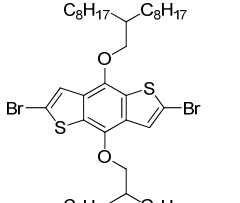
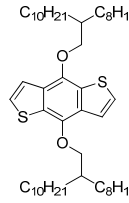
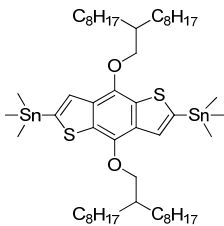
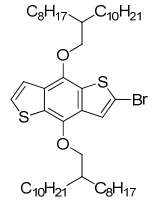
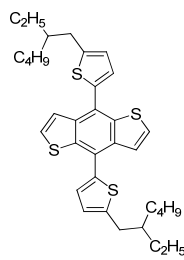
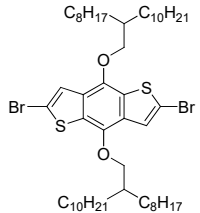
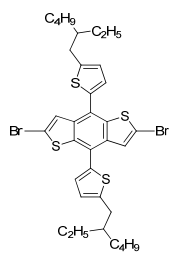
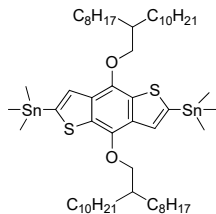
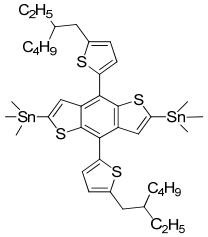
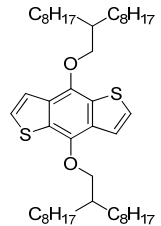
PTZ1		CAT#	Sunamer407
		CAS#	[2029196-34-5]
		Formula	
Poly[9,9-bis(4-(2-ethylhexyl)phenyl)fluorene-alt-co-6,7-bis(4-(hexyloxy)phenyl)-4,9-di(thiophen-2-yl)-thiadiazoloquinoline] PFTTQ		CAT#	Sunamer501
		CAS#	
		Formula	(C ₈₁ H ₈₆ N ₄ O ₄ S ₃) _n
Poly[(2,5-bis(2-hexyldecyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo[3,4-c]pyrrole-1,4-diyl)-alt-([2,2'-(1,4-phenylene)bisthiophene]-5,5'-diyl)] PDPPTPT		CAT#	Sunamer701
		CAS#	
		Formula	(C ₅₂ H ₇₄ N ₂ O ₂ S ₂) _n
Poly[(E)-1,1'-bis(2-octyldodecyl)-[3,3'-biindolinydene]-2,2'-dione-6,6'-diyl][9,9-dioctyl-9H-fluorene-2,7-diyl]] PDPPIID		CAT#	Sunamer702
		CAS#	
		Formula	
Poly[(E)-1,1'-bis(2-octyldodecyl)-[3,3'-biindolinydene]-2,2'-dione-6,6'-diyl][9,9-dioctyl-9H-fluorene-2,7-diyl]] PDPPIID		CAT#	Sunamer703
		CAS#	
		Formula	
Poly[(5,6-difluoro-2,1,3-benzothiadiazol-4,7-diyl)-alt-(3,3''-di(2-octyldodecyl)-2,2';5',2'';5'',2'''-quaterthiophen-5,5'''-diyl)] PFBT4T-2OD		CAT#	Sunamer505
		CAS#	[1644164-62-4]
		Formula	(C ₆₄ H ₉₄ F ₂ N ₂ S ₅) _n

PffBT4T-C9C13	CAT# Sunamer506
	CAS# Formula $(C_{68}H_{102}F_2N_2S_5)_n$
Poly[2(3-thienyl)ethanol n-butoxycarbonylmethylurethane]	CAT# Sunamer801
PURET	
	CAS# Formula
Monomer-BDT Series	
4,8-Dihydrobenzo[1,2-b:4,5-b']dithiophene-4,8-dione	CAT# OC1016
BDT	
	CAS# [32281-36-0] Formula $C_{10}H_4O_2S_2$ FW 220.27
2,6-Dibromobenzo[1,2-b:4,5-b']dithiophene-4,8-dione	CAT# OC1116
	CAS# [196491-93-7] Formula $C_{10}H_2Br_2O_2S_2$ FW 378.06
2,6-Dibromo-4,8-bis(hexyloxy)benzo[1,2-b:4,5-b']dithiophene	CAT# IN1193
	CAS# [359017-65-5] Formula $C_{22}H_{28}Br_2O_2S_2$ FW 548.39
4,8-Bis(2-ethylhexyloxy)benzo[1,2-b:4,5-b']dithiophene	CAT# IN1055
BDT-OEH	
	CAS# [1160823-77-7] Formula $C_{26}H_{38}O_2S_2$ FW 446.71
2-Bromo-4,8-bis((2-ethylhexyl)oxy)benzo[1,2-b:4,5-b']dithiophene	CAT# IN2055
Br-BDT-OEH	
	CAS# Formula $C_{26}H_{37}BrO_2S_2$ FW 525.60

2,3,6,7-Tetrabromo-4,8-bis((2-ethylhexyl)oxy)benzo[1,2-b:4,5-b']dithiophene	CAT# IN2056
4Br-BDT-OEH	
	CAS# Formula $C_{28}H_{34}Br_4O_2S_2$ FW 762.29
2,6-Dibromo-4,8-bis(2-ethylhexyloxy)benzo[1,2-b:4,5-b']dithiophene	CAT# IN1056
2Br-BDT-OEH	
	CAS# [1226782-13-3] Formula $C_{26}H_{36}Br_2O_2S_2$ FW 604.50
2,6-Bis(trimethyltin)-4,8-bis(2-ethylhexyloxy)benzo[1,2-b:4,5-b']dithiophene	CAT# IN1016
2Sn-BDT-OEH	
	CAS# [1160823-78-8] Formula $C_{32}H_{54}O_2S_2Sn_2$ FW 772.32
2,6-Bis(5-bromothiophen-2-yl)-4,8-bis((2-ethylhexyl)oxy)benzo[1,2-b:4,5-b']dithiophene	CAT# IN1187
	CAS# Formula $C_{34}H_{40}Br_2O_2S_4$ FW 768.75
(5,5'-(4,8-Bis((2-ethylhexyl)oxy)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(thiophene-5,2-diyl))bis(trimethylstannane)	CAT# IN1888
	CAS# Formula $C_{40}H_{58}O_2S_4Sn_2$ FW 936.57

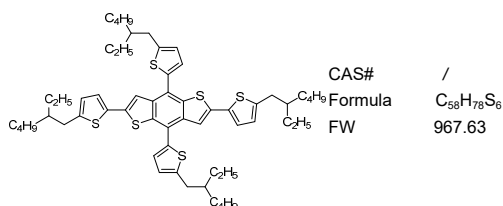
3,7-Dibromo-2,6-bis(3-bromothiophen-2-yl)-4,8-bis((2-ethylhexyl)oxy)benzo[1,2-b:4,5-b']dithiophene CAT# IN1886	
	CAS# Formula $C_{34}H_{38}Br_4O_2S_4$ FW 926.54
4,8-Dioctyloxybenzo[1,2-b:3,4-b']dithiophene BDT-OCT CAT# IN1130	
	CAS# [1098102-94-3] Formula $C_{26}H_{38}O_2S_2$ FW 446.71
2,6-Dibromo-4,8-bis(octyloxy)benzo[1,2-b:4,5-b']dithiophene 2Br-BDT-OCT CAT# IN1131	
	CAS# [1294515-75-5] Formula $C_{26}H_{38}Br_2O_2S_2$ FW 604.50
2,6-Bis(trimethyltin)-4,8-dioctyloxybenzo[1,2-b:3,4-b']dithiophene 2Sn-BDT-OCT CAT# IN1132	
	CAS# [1098102-95-4] Formula $C_{32}H_{54}O_2S_2Sn_2$ FW 772.32
2,6-Dicarbaldehyde-4,8-dioctyloxybenzo[1,2-b:3,4-b']dithiophene CAT# IN1133	
	CAS# [1668554-22-0] Formula $C_{28}H_{38}O_4S_2$ FW 502.73
(4,8-Bis(octyloxy)benzo[1,2-b:4,5-b']dithiophen-2-yl)trimethylstannane CAT# IN1134	
	CAS# [1625696-07-2] Formula $C_{29}H_{46}O_2S_2Sn$ FW 609.51

(4,8-Bis((8-bromooctyl)oxy)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1883	
	CAS# Formula $C_{32}H_{52}Br_2O_2S_2Sn_2$ FW 930.11
4,8-Bis((2-butyloctyl)oxy)benzo[1,2-b:4,5-b']dithiophene BDT-OBO CAT# IN1140	
	CAS# [1321590-78-6] Formula $C_{34}H_{54}O_2S_2$ FW 558.92
2,6-Dibromo-4,8-bis((2-butyloctyl)oxy)benzo[1,2-b:4,5-b']dithiophene 2Br-BDT-OBO CAT# IN1141	
	CAS# [1336893-15-2] Formula $C_{34}H_{52}Br_2O_2S_2$ FW 716.71
(4,8-Bis((2-butyloctyl)oxy)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) 2Sn-BDT-OBO CAT# IN1142	
	CAS# [1271439-08-7] Formula $C_{40}H_{70}O_2S_2Sn_2$ FW 884.53
4,8-Bis((2-hexyldecyl)oxy)benzo[1,2-b:4,5-b']dithiophene CAT# IN1146	
	CAS# [1254985-73-3] Formula $C_{42}H_{70}O_2S_2$ FW 671.13

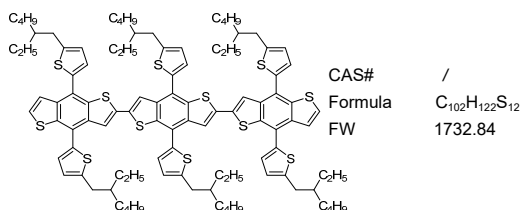
(4,8-Bis((2-hexyldodecyl)oxy)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1149	2,6-Dibromo-4,8-bis((2-octyldodecyl)oxy)benzo[1,2-b:4,5-b'] dithiophene 2Br-BDT-OOD CAT# IN1151
 CAS# [1254985-74-4] Formula C₄₈H₈₆O₂S₂Sn₂ FW 996.75	 CAS# Formula C₄₆H₇₈Br₂O₂S₂ FW 885.03
4,8-Bis((2-octyldodecyl)oxy)benzo[1,2-b:4,5-b']dithiophene BDT-OODD CAT# IN1160	(4,8-Bis((2-octyldodecyl)oxy)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) 2Sn-BDT-OOD CAT# IN1152
 CAS# [1320201-19-1] Formula C₅₀H₈₆O₂S₂ FW 783.35	 CAS# Formula C₅₂H₉₄O₂S₂Sn₂ FW 1052.85
2-Bromo-4,8-bis((2-octyldodecyl)oxy)benzo[1,2-b:4,5-b']dithiophene CAT# IN1189	4,8-Bis(5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b'] dithiophene CAT# IN1170
 CAS# Formula C₅₀H₈₈BrO₂S₂ FW 862.24	 CAS# [1352642-35-3] Formula C₃₄H₄₂S₄ FW 578.96
2,6-Dibromo-4,8-bis((2-octyldodecyl)oxy)benzo[1,2-b:4,5-b'] dithiophene 2Br-BDT-OOD CAT# IN1161	2,6-Dibromo-4,8-bis(5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b'] dithiophene CAT# IN1171
 CAS# Formula C₅₀H₈₄Br₂O₂S₂ FW 941.14	 CAS# [1482447-24-4] Formula C₃₄H₄₀Br₂S₄ FW 736.75
(4,8-Bis((2-octyldodecyl)oxy)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) 2Sn-BDT-OODD CAT# IN1162	2,6-Bis(trimethyltin)-4,8-bis(5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1172
 CAS# [1320201-22-6] Formula C₅₆H₁₀₂O₂S₂Sn₂ FW 1108.96	 CAS# [1352642-37-5] Formula C₄₀H₅₈S₄Sn₂ FW 904.57
4,8-Bis((2-octyldodecyl)oxy)benzo[1,2-b:4,5-b']dithiophene BDT-OOD CAT# IN1150	
 CAS# Formula C₄₆H₇₈O₂S₂ FW 727.24	

2,4,6,8-Tetrakis(5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene

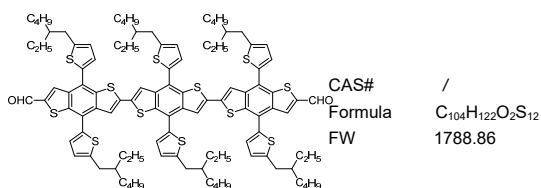
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4,4',4'',8,8',8''-Hexakis(5-(2-ethylhexyl)thiophen-2-yl)-2,2':6',2''-terbenzo[1,2-b:4,5-b']dithiophene

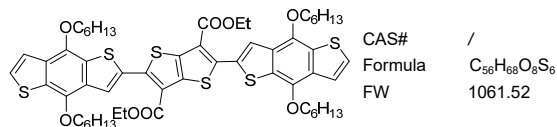
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4,4',4'',8,8',8''-Hexakis(5-(2-ethylhexyl)thiophen-2-yl)-[2,2':6',2''-terbenzo[1,2-b:4,5-b']dithiophene]-6,6''-dicarbaldehyde

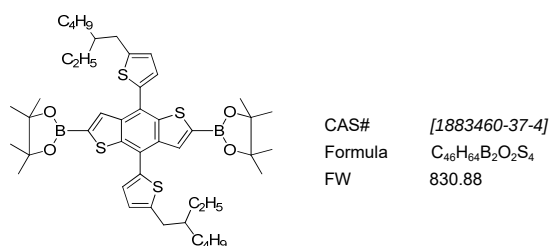
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Diethyl
2,5-bis(4,8-bis(hexyloxy)benzo[1,2-b:4,5-b']dithiophen-2-yl)thieno[3,2-b]thiophene-3,6-dicarboxylate

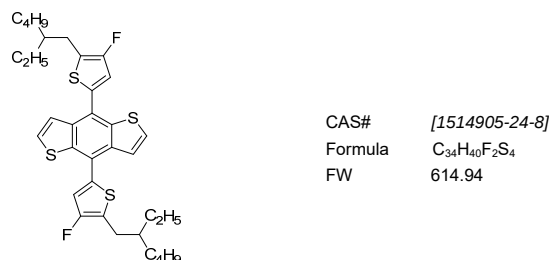
CAT# IN1795


2,2'-(4,8-Bis(5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane)

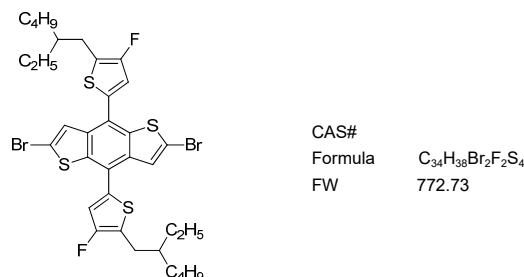
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4,8-Bis(5-(2-ethylhexyl)-4-fluorothiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene

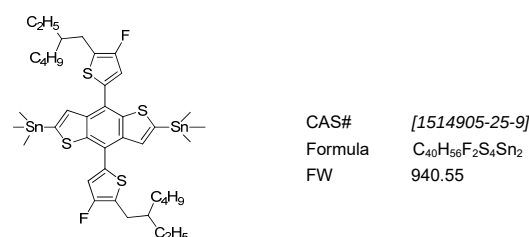
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2,6-Dibromo-4,8-bis(5-(2-ethylhexyl)-4-fluorothiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene

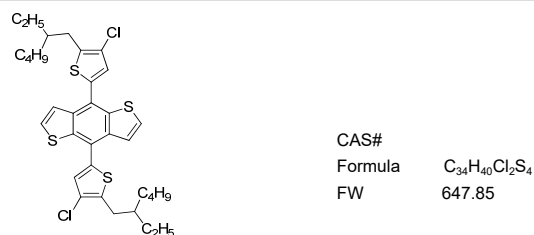
CAT# IN1762


(4,8-Bis(5-(2-ethylhexyl)-4-fluorothiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)

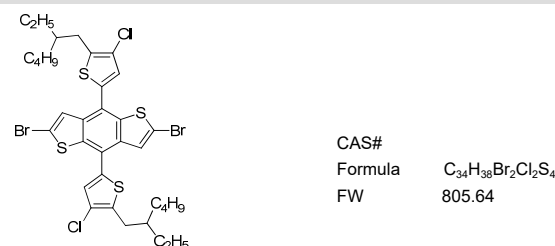
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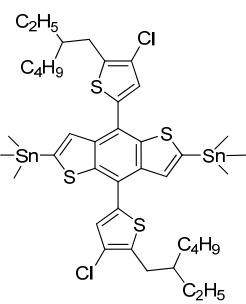
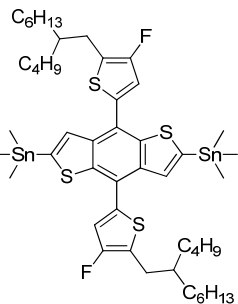
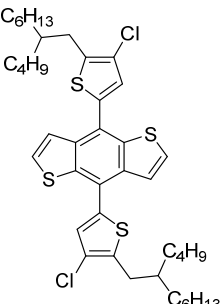
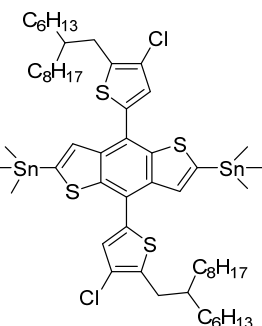
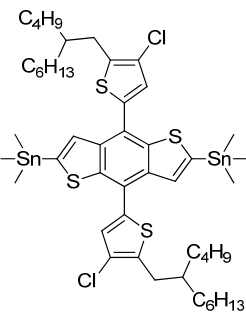
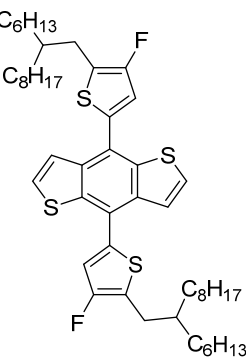
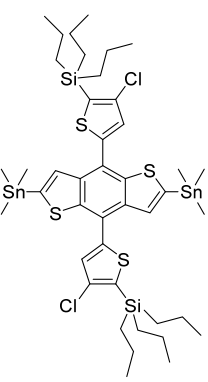
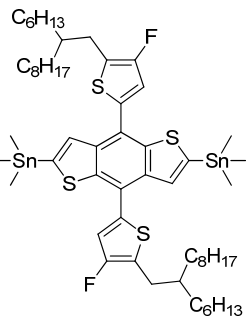

4,8-Bis(4-chloro-5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene

CAT# IN1766


2,6-Dibromo-4,8-bis(4-chloro-5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene

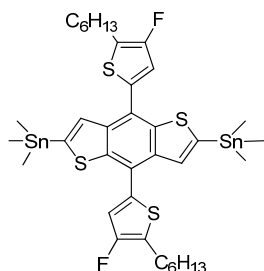
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(4,8-Bis(4-chloro-5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1776  CAS# [2239295-69-1] Formula $C_{40}H_{56}Cl_2S_4Sn_2$ FW 973.46	(4,8-Bis(5-(2-butyloctyl)-4-fluorothiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1965  CAS# [2131164-64-0] Formula $C_{48}H_{72}F_2S_4Sn_2$ FW 1052.76
4,8-Bis(5-(2-butyloctyl)-4-chlorothiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1963  CAS# Formula $C_{42}H_{56}Cl_2S_4$ FW 760.06	(4,8-Bis(4-chloro-5-(2-hexyldecyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1786  CAS# [2648593-44-4] Formula $C_{56}H_{88}Cl_2S_4Sn_2$ FW 1197.88
(4,8-Bis(5-(2-butyloctyl)-4-chlorothiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1964  CAS# [2376193-84-7] Formula $C_{48}H_{72}Cl_2S_4Sn_2$ FW 1085.67	4,8-Bis(4-fluoro-5-(2-hexyldecyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1967  CAS# Formula $C_{50}H_{72}F_2S_4$ FW 839.36
(5,5'-(2,6-Bis(trimethylstannyl)benzo[1,2-b:4,5-b']dithiophene-4,8-diyl)bis(3-chlorothiophene-5,2-diyl)bis(tripropylsilane) CAT# IN1780  CAS# Formula $C_{42}H_{64}Cl_2S_4Si_2Sn_2$ FW 1061.71	(4,8-Bis(4-fluoro-5-(2-hexyldecyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1968  CAS# [2625412-30-6] Formula $C_{56}H_{88}F_2S_4Sn_2$ FW 1164.97

(4,8-Bis(4-fluoro-5-hexylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)

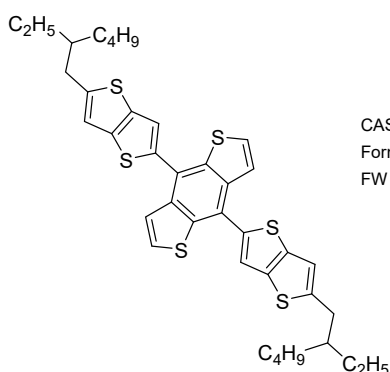
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CAS# [2376651-34-0]
Formula $C_{38}H_{48}F_2S_4Sn_2$
FW 884.44

4,8-Bis(5-(2-ethylhexyl)thieno[3,2-b]thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene

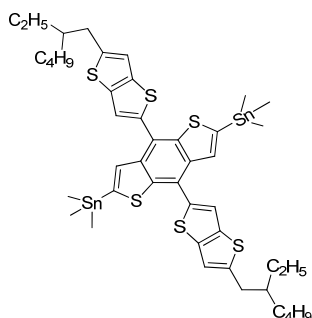
CAT# IN1791



CAS# [1494614-30-0]
Formula $C_{38}H_{42}S_6$
FW 691.13

4,8-Bis(5-(2-ethylhexyl)thieno[3,2-b]thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)

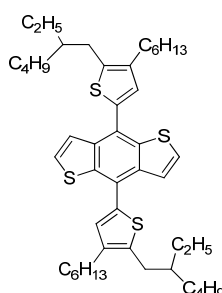
CAT# IN1792



CAS# [1444200-40-1]
Formula $C_{44}H_{58}S_6Sn_2$
FW 1016.74

4,8-Bis(5-(2-ethylhexyl)-4-hexylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene

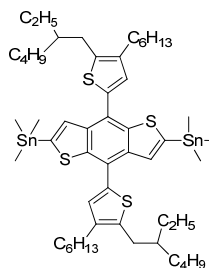
CAT# IN1773



CAS#
Formula $C_{46}H_{66}S_4$
FW 747.28

(4,8-Bis(5-(2-ethylhexyl)-4-hexylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)

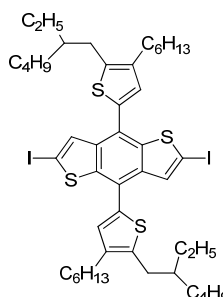
CAT# IN1774



CAS# [1627681-05-3]
Formula $C_{52}H_{82}S_4Sn_2$
FW 1072.89

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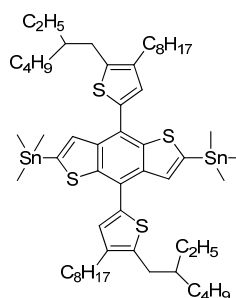
CAT# IN1775



CAS# [1642807-86-0]
Formula $C_{46}H_{64}I_2S_4$
FW 999.07

(4,8-Bis(5-(2-ethylhexyl)-4-octylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)

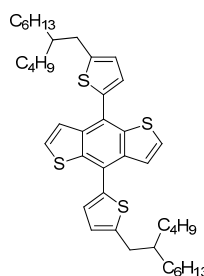
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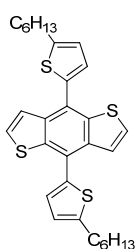
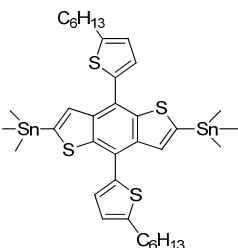
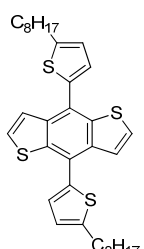
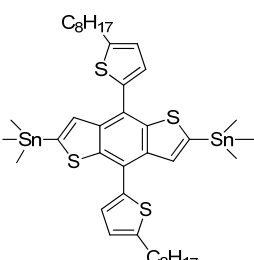
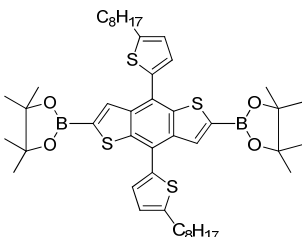
CAS#
Formula $C_{56}H_{90}S_4Sn_2$
FW 1128.99

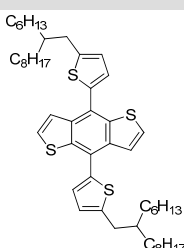
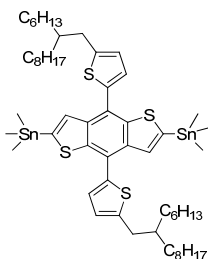
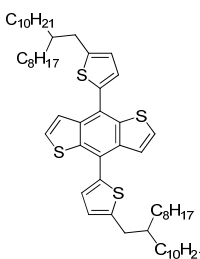
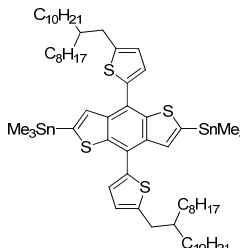
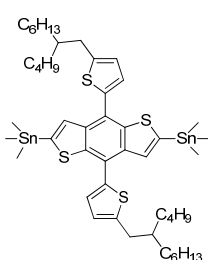
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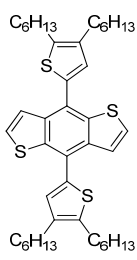
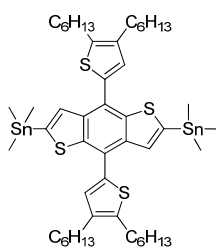
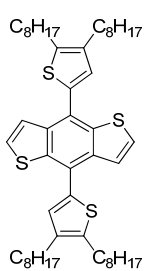
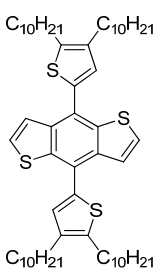
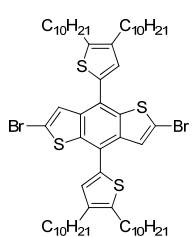
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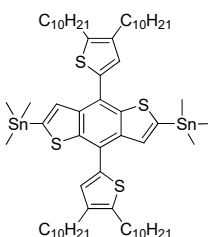
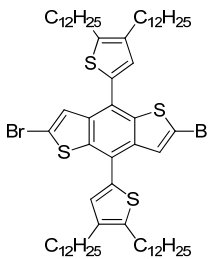
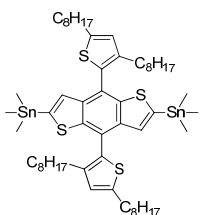
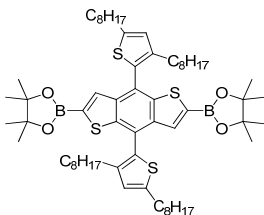
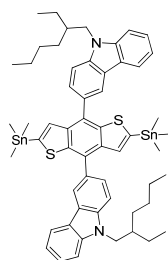


CAS# [1443120-32-8]
Formula $C_{42}H_{58}S_4$
FW 691.17

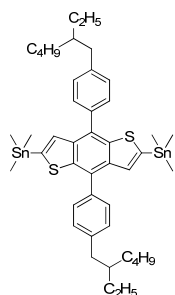
4,8-Bis(5-hexylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1763	
	CAS# [1431705-25-7] Formula $C_{30}H_{34}S_4$ FW 522.85
(4,8-Bis(5-hexylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1765	
	CAS# [1403984-36-0] Formula $C_{36}H_{50}S_4Sn_2$ FW 848.46
4,8-Bis(5-octylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1768	
	CAS# [1448877-07-3] Formula $C_{34}H_{42}S_4$ FW 578.96
(4,8-Bis(5-octylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1168	
	CAS# [1434174-52-3] Formula $C_{40}H_{58}S_4Sn_2$ FW 904.50
2,2'-(4,8-Bis(5-octylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane) CAT# IN1167	
	CAS# Formula $C_{46}H_{64}B_2O_4S_4$ FW 830.88

4,8-Bis(5-(2-hexyldecyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1174	
	CAS# [1422748-36-4] Formula $C_{50}H_{74}S_4$ FW 803.38
(4,8-Bis(5-(2-hexyldecyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1414	
	CAS# [1373834-87-7] Formula $C_{56}H_{90}S_4Sn_2$ FW 1128.99
4,8-Bis(5-(2-octyldecyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1173	
	CAS# [1631039-21-8] Formula $C_{58}H_{90}S_4$ FW 915.60
(4,8-Bis(5-(2-octyldecyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1175	
	CAS# [1709838-53-8] Formula $C_{64}H_{106}S_4Sn_2$ FW 1241.21
(4,8-Bis(5-(2-butyloctyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1176	
	CAS# [1402460-13-2] Formula $C_{48}H_{74}S_4Sn_2$ FW 1016.78

4,8-Bis(4,5-dihexylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1181	
	CAS# Formula $C_{42}H_{58}S_4$ FW 691.17
(4,8-Bis(4,5-dihexylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1180	
	CAS# [1402460-16-5] Formula $C_{48}H_{74}S_4Sn_2$ FW 1016.78
4,8-Bis(4,5-dioctylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1188	
	CAS# Formula $C_{50}H_{74}S_4$ FW 803.38
4,8-Bis(4,5-didecylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1178	
	CAS# Formula $C_{58}H_{90}S_4$ FW 915.60
2,6-Dibromo-4,8-bis(4,5-didecylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1169	
	CAS# Formula $C_{58}H_{88}Br_2S_4$ FW 1073.39

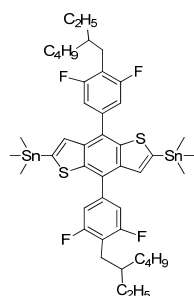
(4,8-Bis(2-(4,5-didecyl)thiophene)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1179	
	CAS# [1307899-54-2] Formula $C_{64}H_{106}S_4Sn_2$ FW 1241.21
2,6-Dibromo-4,8-bis(4,5-didodecylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1184	
	CAS# [1905397-56-9] Formula $C_{66}H_{104}Br_2S_4$ FW 1185.60
(4,8-Bis(2-(3,5-dioctyl)thiophene)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1182	
	CAS# Formula $C_{56}H_{90}S_4Sn_2$ FW 1128.99
2,6-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-(4,8-bis(2-(3,5-dioctyl)thiophene)benzo[1,2-b:4,5-b']dithiophene CAT# IN1185	
	CAS# [1221254-05-2] Formula $C_{62}H_{96}B_2O_4S_4$ FW 1055.31
3,3'-(2,6-bis(trimethylstannyl)benzo[1,2-b:4,5-b']dithiophene-4,8-diyl)bis(9-(2-ethylhexyl)-9H-carbazole) CAT# IN1760	
	CAS# [2213459-50-6] Formula $C_{55}H_{70}N_2S_2Sn_2$ FW 1060.71

(4,8-Bis(4-(2-ethylhexyl)phenyl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)
CAT# IN1764



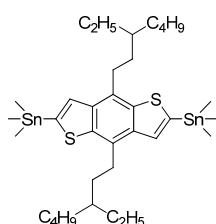
CAS# [1380582-97-7]
Formula $C_{44}H_{62}S_2Sn_2$
FW 892.51

(4,8-Bis(4-(2-ethylhexyl)-3,5-difluorophenyl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)
CAT# IN1767



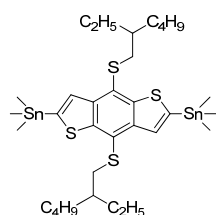
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Formula $C_{44}H_{58}F_4S_2Sn_2$
FW 964.47

(4,8-Bis(3-ethylheptyl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)
CAT# IN1190



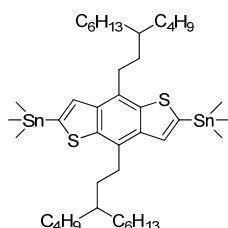
CAS#
Formula $C_{34}H_{58}S_2Sn_2$
FW 768.37

(4,8-Bis((2-ethylhexyl)thio)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)
CAT# IN1191



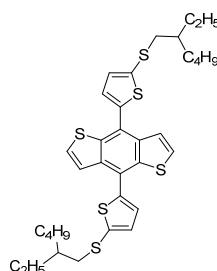
CAS#
Formula $C_{32}H_{54}S_4Sn_2$
FW 804.45

(4,8-Bis(3-butylnonyl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)
CAT# IN1192



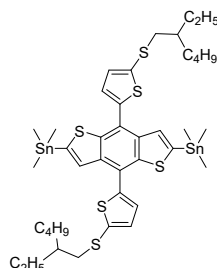
CAS#
Formula $C_{42}H_{74}S_2Sn_2$
FW 880.59

4,8-Bis(5-((2-ethylhexyl)thio)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene
CAT# IN1714



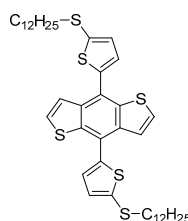
CAS# [1613389-28-8]
Formula $C_{34}H_{42}S_6$
FW 643.09

(4,8-Bis(5-((2-ethylhexyl)thio)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)
CAT# IN1704



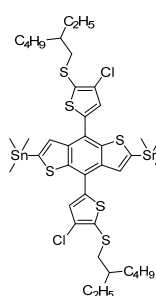
CAS# [1613389-30-2]
Formula $C_{40}H_{58}S_6Sn_2$
FW 968.70

4,8-Bis(5-(dodecylthio)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene
CAT# IN1703



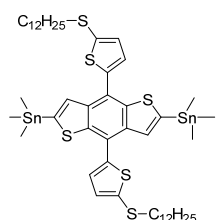
CAS# [1620482-25-8]
Formula $C_{42}H_{58}S_6$
FW 755.30

(4,8-Bis(4-chloro-5-((2-ethylhexyl)thio)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)
CAT# IN1706

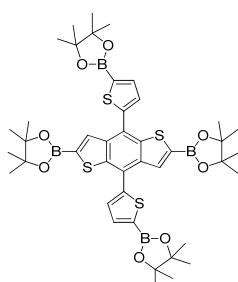
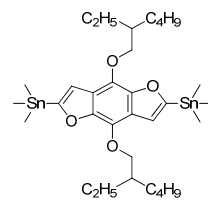
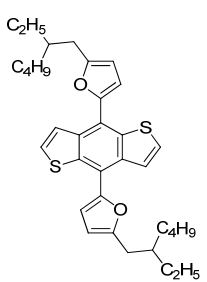
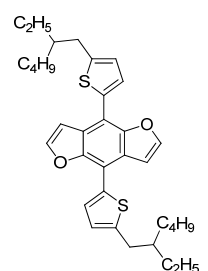
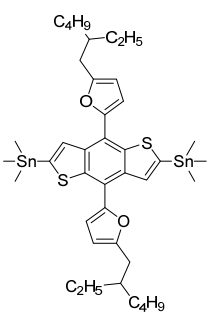
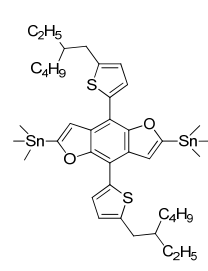
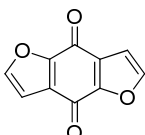
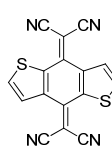
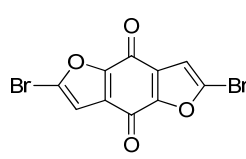
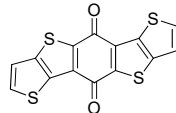
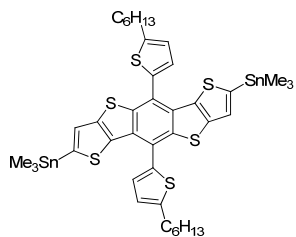


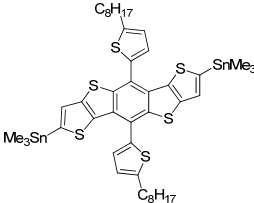
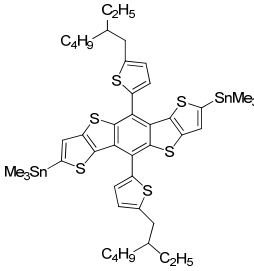
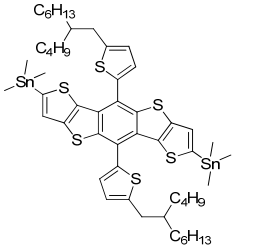
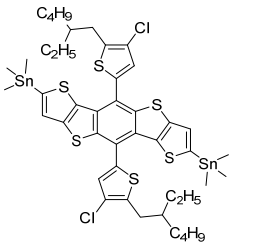
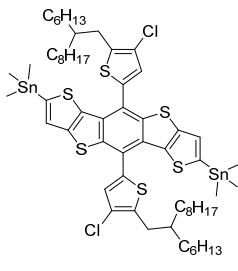
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Formula $C_{40}H_{56}Cl_2S_6Sn_2$
FW 1037.59

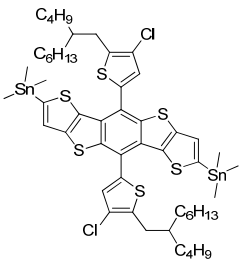
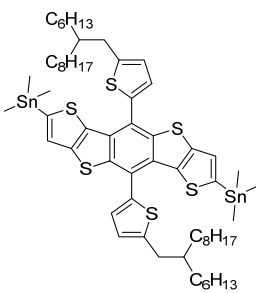
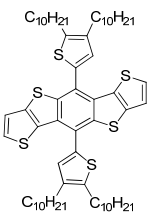
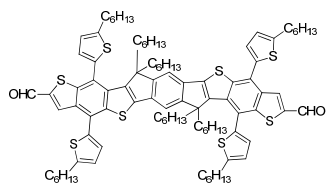
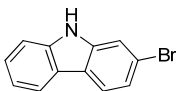
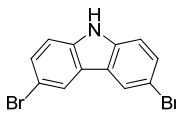
(4,8-Bis(5-(dodecylthio)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane)
CAT# IN1705

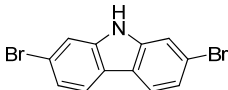
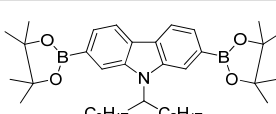
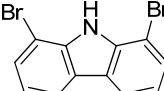
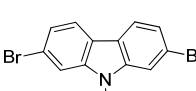
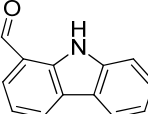
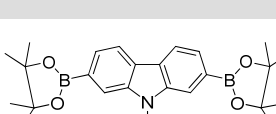
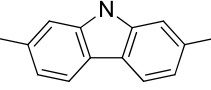
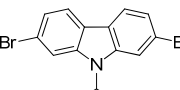
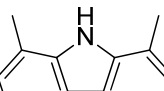
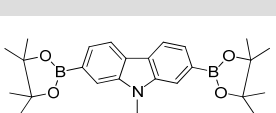
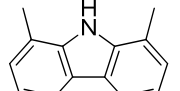
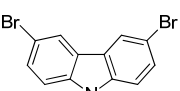
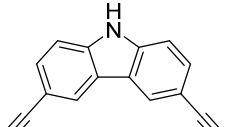
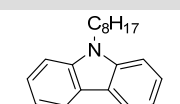
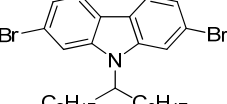
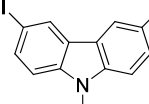


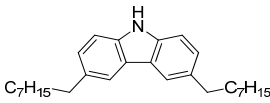
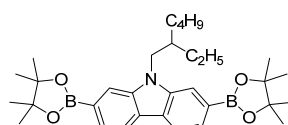
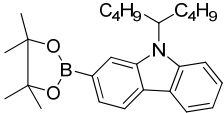
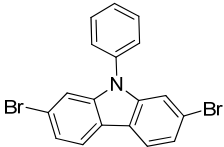
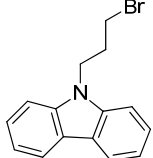
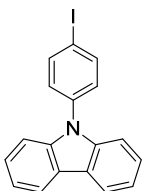
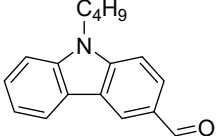
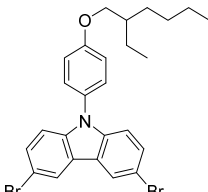
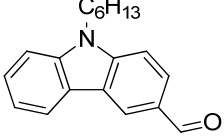
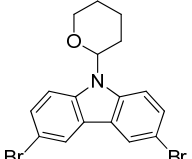
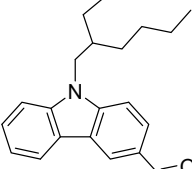
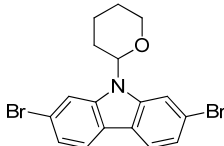
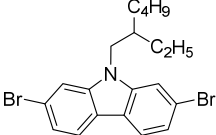
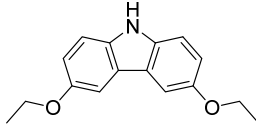
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Formula $C_{48}H_{74}S_6Sn_2$
FW 1080.91

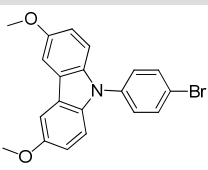
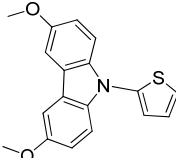
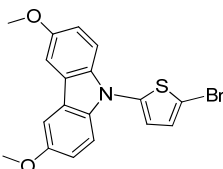
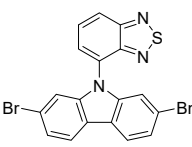
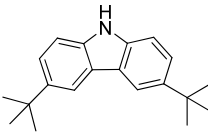
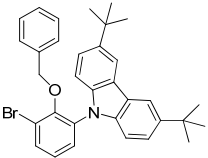
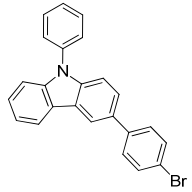
2,2'-(5,5'-(2,6-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)benzo[1,2-b:4,5-b']dithiophene-4,8-diyl)bis(thiophene-5,2-diyl))bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane) CAT# IN1790	(4,8-Bis-(2-ethylhexyloxy)-2,6-bis(trimethylstannanyl)benzo[1,2-b:4,5-b']difuran) CAT# IN1530
 CAS# [1942110-76-0] Formula $C_{42}H_{54}B_4O_8S_4$ FW 858.38	 CAS# [1352743-87-3] Formula $C_{32}H_{54}O_4Sn_2$ FW 740.19
4,8-Bis(5-(2-ethylhexyl)furan-2-yl)benzo[1,2-b:4,5-b']dithiophene CAT# IN1177	4,8-Bis(5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']difuran CAT# IN1532
 CAS# [1391764-82-1] Formula $C_{34}H_{42}O_2S_2$ FW 546.83	 CAS# [1391764-82-1] Formula $C_{34}H_{42}O_2S_2$ FW 546.83
(4,8-Bis(5-(2-ethylhexyl)furan-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN2078	(4,8-Bis(5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']difuran-2,6-diyl)bis(trimethylstannane) CAT# IN1534
 CAS# [1444200-27-4] Formula $C_{40}H_{58}O_2S_2Sn_2$ FW 872.44	 CAS# [1391764-83-2] Formula $C_{40}H_{58}O_2S_2Sn_2$ FW 872.44
Benzofuro[5,6-b]furan-4,8-dione CAT# OC1130	2,2'-(Benzo[1,2-b:4,5-b']dithiophene-4,8-diylidene)dimalononitrile CAT# OC1142
 CAS# [267220-47-3] Formula $C_{10}H_4O_4$ FW 188.14	 CAS# [109573-90-2] Formula $C_{16}H_4N_4S_2$ FW 316.36
2,6-Dibromobenzo[1,2-b:4,5-b']difuran-4,8-dione CAT# OC1131	Dithieno[2,3-d':2',3'-d]benzo[1,2-b:4,5-b']dithiophene-5,10-dione CAT# OC1916
 CAS# [2227361-16-0] Formula $C_{10}H_2Br_2O_4$ FW 345.93	 CAS# [1446476-79-4] Formula $C_{14}H_4O_2S_4$ FW 332.44
	2,7-Bis(trimethylstannyl)-5,10-bis(4-hexylthiophen-2-yl)benzo[1,2-b:4,5-b']dithieno[3,2-b]thiophene CAT# IN1904
	 CAS# / Formula $C_{40}H_{50}S_6Sn_2$ FW 960.63

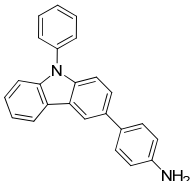
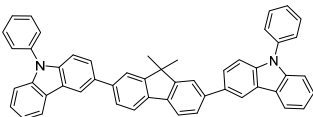
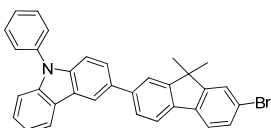
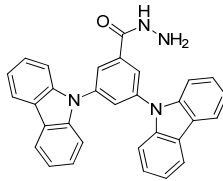
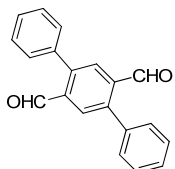
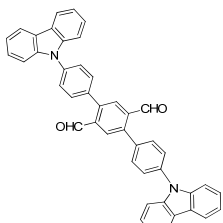
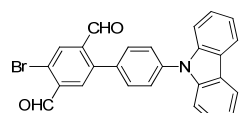
2,7-Bis(trimethylstannyl)-5,10-bis(4-octylthiophen-2-yl)benzo[1,2-b:4,5-b']dithieno[3,2-b]thiophene	
CAT# IN1906	
	CAS# [1701403-89-5] Formula $C_{44}H_{58}S_6Sn_2$ FW 1016.74
2,7-Bis(trimethylstannyl)-5,10-bis(2-ethylhexylthienyl)benzo[1,2-b:4,5-b']dithieno[3,2-b]thiophene	
CAT# IN1907	
	CAS# [1446476-81-8] Formula $C_{44}H_{58}S_6Sn_2$ FW 1016.74
2,7-Bis(trimethylstannyl)-5,10-bis(2-butyloctylthienyl)benzo[1,2-b:4,5-b']dithieno[3,2-b]thiophene	
CAT# IN1905	
	CAS# [2582829-56-7] Formula $C_{52}H_{74}S_6Sn_2$ FW 1128.95
2,7-Bis(trimethyltin)-5,10-bis[4-chloro-5-(2-ethylhexyl)-2-thienyl]dithieno[2,3-d:2',3'-d']benzo[1,2-b:4,5-b']dithiophene	
CAT# IN2034	
	CAS# Formula $C_{44}H_{56}Cl_2S_6Sn_2$ FW 1085.61
2,7-Bis(trimethyltin)-5,10-bis[4-chloro-5-(2-hexyldecyl)-2-thienyl]dithieno[2,3-d:2',3'-d']benzo[1,2-b:4,5-b']dithiophene	
CAT# IN1924	
	CAS# Formula $C_{60}H_{88}Cl_2S_6Sn_2$ FW 1310.04

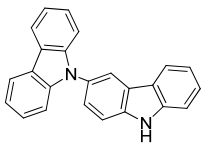
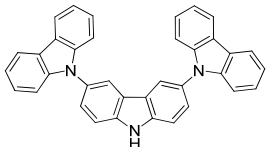
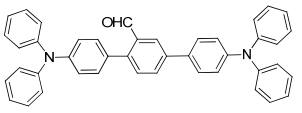
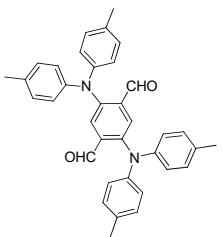
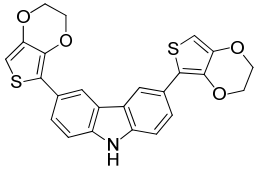
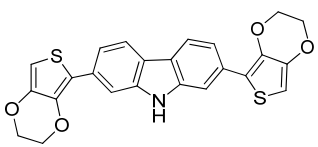
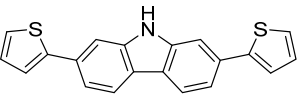
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CAT# IN1925	
	CAS# [2487415-02-9] Formula $C_{52}H_{72}Cl_2S_6Sn_2$ FW 1197.84
2,7-Bis(trimethylstannyl)-5,10-bis(2-hexyldecylthienyl)benzo[1,2-b:4,5-b']dithieno[3,2-b]thiophene	
CAT# IN1926	
	CAS# [2568975-66-4] Formula $C_{60}H_{90}S_6Sn_2$ FW 1241.17
5,10-Bis(4,5-didecylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene	
CAT# IN1908	
	CAS# [1467663-05-3] Formula $C_{62}H_{90}S_6$ FW 1027.77
2,7-Bis(trimethyltin)-5,10-bis[4-chloro-5-(2-ethylhexyl)-2-thienyl]dithieno[2,3-d:2',3'-d']benzo[1,2-b:4,5-b']dithiophene	
CAT# IN1918	
	CAS# Formula $C_{94}H_{118}O_2S_8$ FW 1536.46
Monomer-Carbazole (Cz) Series	
2-Bromocarbazole	
CAT# OC1090	
	CAS# [3652-90-2] Formula $C_{12}H_8BrN$ FW 246.10
3,6-Dibromo-9H-carbazole	
CAT# IN1001	
	CAS# [6825-20-3] Formula $C_{12}H_7Br_2N$ FW 325.00

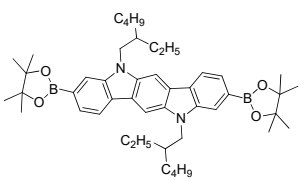
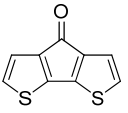
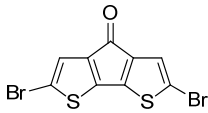
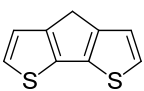
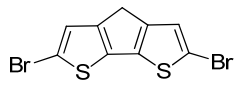
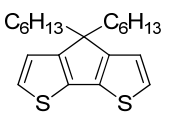
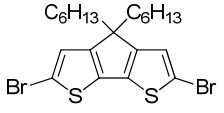
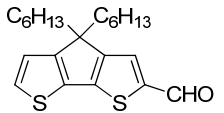
2,7-Dibromo-9H-carbazole CAT# IN1003	9-(Heptadecan-9-yl)-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAT# IN1009
 CAS# [136630-39-2] Formula C₁₂H₇Br₂N FW 325.00	 CAS# [958261-51-3] Formula C₄₁H₆₅B₂NO₄ FW 657.58
1,8-Dibromo-9H-carbazole CAT# IN1263	2,7-Dibromo-9-octyl-9H-carbazole CAT# IN1029
 CAS# [553663-65-3] Formula C₁₂H₇Br₂N FW 325.00	 CAS# [726169-75-1] Formula C₂₀H₂₃Br₂N FW 437.21
9H-carbazole-1-carbaldehyde CAT# IN1288	9-Octyl-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAT# IN1048
 CAS# [1903-94-2] Formula C₁₃H₉NO FW 195.22	 CAS# [406726-92-9] Formula C₃₂H₄₇B₂NO₄ FW 531.34
2,7-Dimethyl-9H-carbazole CAT# IN1258	2,7-Dibromo-9-(henicosan-11-yl)-9H-carbazole CAT# IN1128
 CAS# [18992-65-9] Formula C₁₄H₁₃N FW 195.26	 CAS# [1185885-87-3] Formula C₃₃H₄₉B₂N FW 619.56
1,8-Dimethyl-9H-carbazole CAT# IN1557	9-(Henicosan-11-yl)-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAT# IN1129
 CAS# [6558-83-4] Formula C₁₄H₁₃N FW 195.26	 CAS# [1185885-88-4] Formula C₄₅H₇₃B₂NO₄ FW 713.69
1,3,6,8-Tetramethyl-9H-carbazole CAT# IN1558	3,6-Dibromo-9-(heptadecan-9-yl)-9H-carbazole CAT# IN1138
 CAS# [6558-85-6] Formula C₁₆H₁₇N FW 223.31	 CAS# [1268491-06-0] Formula C₂₉H₄₁Br₂N FW 563.45
9H-carbazole-3,6-dicarbonitrile CAT# OC1076	3,6-Dibromo-9-octyl-9H-carbazole CAT# IN2038
 CAS# [57103-03-4] Formula C₁₄H₇N₃ FW 217.23	 CAS# [79554-93-1] Formula C₂₀H₂₃Br₂ 437.22
2,7-Dibromo-9-(1-octylnonyl)-9H-carbazole CAT# IN1008	9-(Heptadecan-9-yl)-3,6-diiodo-9H-carbazole CAT# IN1139
 CAS# [955964-73-5] Formula C₂₉H₄₁Br₂N FW 563.45	 CAS# Formula C₂₉H₄₁I₂N FW 657.45

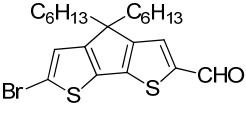
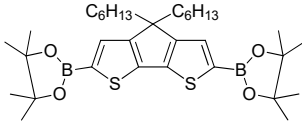
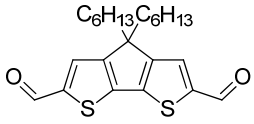
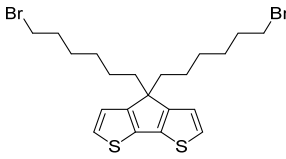
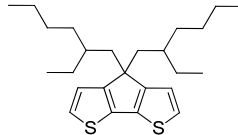
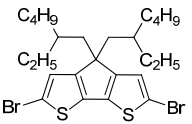
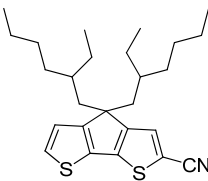
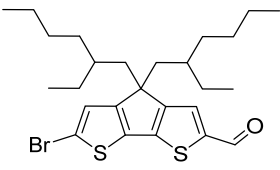
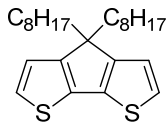
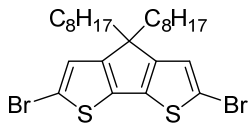
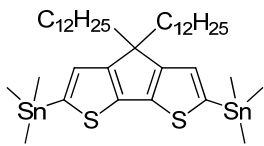
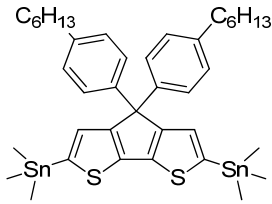
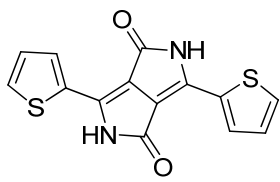
9-(Nonan-5-yl)-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAT# IN1983	9-(2-Ethylhexyl)-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAT# IN2138
 CAS# Formula FW C₂₇H₃₈BNO₂ 419.41	 CAS# Formula FW [476360-83-5] C₃₂H₄₇B₂NO₄ 531.35
9-(Nonan-5-yl)-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAT# IN1820	2,7-Dibromo-9-phenyl-9H-carbazole CAT# IN1259
 CAS# Formula FW C₂₇H₃₈BNO₂ 419.41	 CAS# Formula FW [444796-09-2] C₁₈H₁₁Br₂N 401.09
9-(3-Bromopropyl)-9H-carbazole CAT# IN1840	9-(4-Iodophenyl)-9H-carbazole CAT# IN2159
 CAS# Formula FW [84359-61-5] C₁₅H₁₄BrN 288.18	 CAS# Formula FW [57103-15-8] C₁₈H₁₂IN 369.21
9-Butyl-9H-carbazole-3-carbaldehyde CAT# IN1935	3,6-Dibromo-9-((2-ethylhexyl)oxy)phenyl)-9H-carbazole CAT# IN2160
 CAS# Formula FW [67707-09-9] C₁₇H₁₇NO 251.32	 CAS# Formula FW [946491-48-1] C₂₆H₂₇Br₂NO 529.32
9-Hexyl-9H-carbazole-3-carbaldehyde CAT# IN1936	3,6-Dibromo-9-(tetrahydro-2H-pyran-2-yl)-9H-carbazole CAT# IN1002
 CAS# Formula FW [183718-72-1] C₁₉H₂₁NO 279.38	 CAS# Formula FW [1838679-86-9] C₁₇H₁₅Br₂NO 409.12
9-(2-Ethylhexyl)-9H-carbazole-3-carbaldehyde CAT# IN1938	2,7-Dibromo-9-(tetrahydro-2H-pyran-2-yl)-9H-carbazole CAT# IN1004
 CAS# Formula FW [287978-28-3] C₂₁H₂₅NO 307.43	 CAS# Formula FW C₁₇H₁₅Br₂NO 409.12
2,7-Dibromo-9-(2-ethylhexyl)-9H-carbazole CAT# IN2136	3,6-Diethoxy-9H-carbazole CAT# OC1267
 CAS# Formula FW [544436-46-6] C₂₀H₂₃Br₂N 437.22	 CAS# Formula FW [1707264-12-7] C₁₆H₁₇NO₂ 255.32

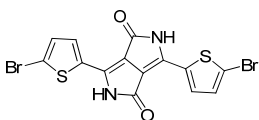
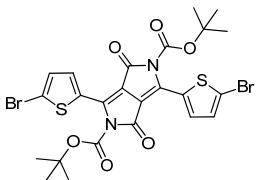
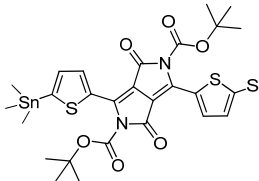
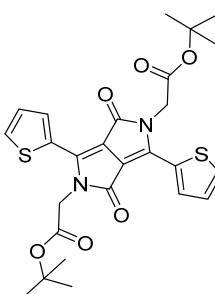
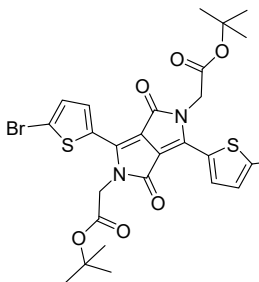
9-(4-Bromophenyl)-3,6-dimethoxy-9H-carbazole			
CAT# OC1067			
	CAS#		
	Formula	C ₂₀ H ₁₆ BrNO ₂	
	FW	382.25	
3,6-Dimethoxy-9-(thiophen-2-yl)-9H-carbazole			
CAT# OC1049			
	CAS#		
	Formula	C ₁₈ H ₁₅ NO ₂ S	
	FW	309.38	
9-(5-Bromothiophen-2-yl)-3,6-dimethoxy-9H-carbazole			
CAT# OC1069			
	CAS#		
	Formula	C ₁₈ H ₁₄ BrNO ₂ S	
	FW	388.28	
4-(2,7-Dibromo-9H-carbazol-9-yl)benzo[c][1,2,5]thiadiazole			
CAT# IN1937			
	CAS#		
	Formula	C ₁₈ H ₉ Br ₂ N ₃ S	
	FW	459.16	
3,6-Di-tert-butyl-9H-carbazole			
CAT# OC1065			
	CAS#	[37500-95-1]	
	Formula	C ₂₀ H ₂₅ N	
	FW	279.42	
9-(2-(Benzyloxy)-3-bromophenyl)-3,6-di-tert-butyl-9H-carbazole			
CAT# OC1068			
	CAS#		
	Formula	C ₃₃ H ₃₄ BrNO	
	FW	540.53	
3-(4-Bromophenyl)-9-phenyl-9H-carbazole			
CAT# OC1058			
	CAS#	[1028647-93-9]	
	Formula	C ₂₄ H ₁₆ BrN	
	FW	398.29	

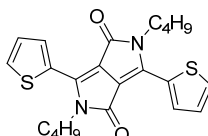
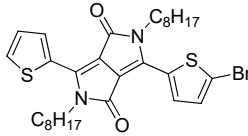
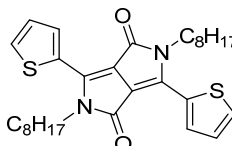
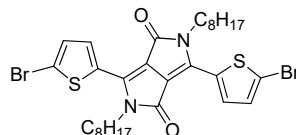
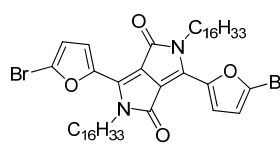
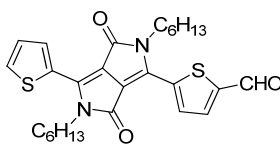
4-(9-Phenyl-9,9a-dihydro-4aH-carbazol-6-yl)aniline		CAT# OC1059
	CAS# Formula FW	 C ₂₄ H ₂₀ N ₂ 336.43
3,3'-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis(9-phenyl-9H-carbazole)		CAT# OC1077
	CAS# Formula FW	 [1182844-38-7] C ₅₁ H ₃₆ N ₂ 676.84
3-(7-Bromo-9,9-dimethylfluorene-2-yl)-9-phenylcarbazole		CAT# OC1078
	CAS# Formula FW	 [1186644-43-8] C ₃₃ H ₂₄ NBr 514.45
3,5-Dicarbazol-9-ylbenzhydrazide		CAT# OC1060
	CAS# Formula FW	 C ₃₁ H ₂₂ N ₄ O 466.53
[1,1':4',1''-Terphenyl]-2',5'-dicarbaldehyde		CAT# OC1066
	CAS# Formula FW	 [144836-60-2] C ₂₀ H ₁₄ O ₂ 286.32
4,4''-Di(9H-carbazol-9-yl)-[1,1':4',1''-terphenyl]-2',5'-dicarbaldehyde		CAT# OC1061
	CAS# Formula FW	 C ₄₄ H ₂₈ N ₂ O ₂ 616.71
4-Bromo-4'-(9H-carbazol-9-yl)-[1,1'-biphenyl]-2,5-dicarbaldehyde		CAT# OC1073
	CAS# Formula FW	 C ₂₆ H ₁₆ BrNO ₂ 454.31

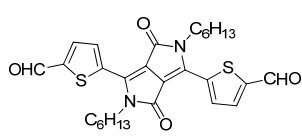
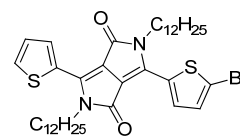
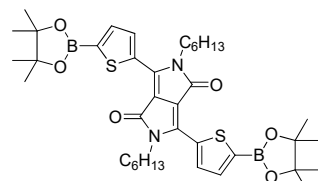
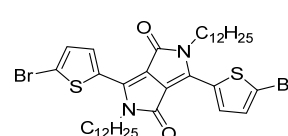
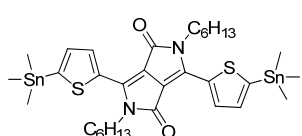
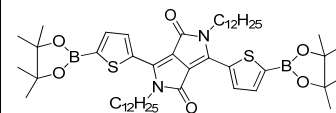
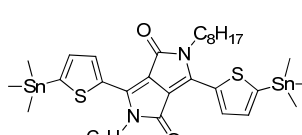
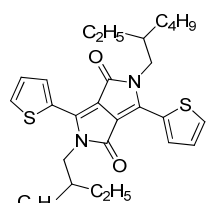
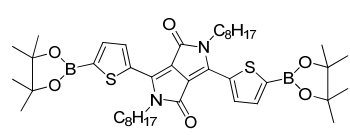
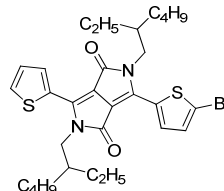
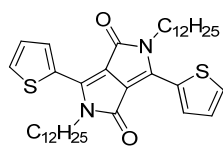
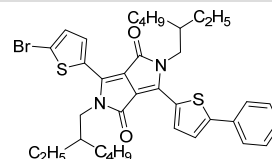
3-(9H-carbazole-9-yl)-9H-carbazole	
CAT# OC1062	
	CAS# [18628-07-4] Formula C ₂₄ H ₁₆ N ₂ FW 332.40
9'H-9,3':6',9''-tercarbazole	
CAT# OC1072	
	CAS# [606129-90-2] Formula C ₃₆ H ₂₃ N ₃ FW 497.59
4,4''-Bis(diphenylamino)-[1,1':4',1''-terphenyl]-2'-carbaldehyde	
CAT# OC1063	
	CAS# [606129-90-2] Formula C ₄₃ H ₃₂ N ₂ O FW 592.73
2,5-Bis(di-<i>p</i>-tolylamino)terephthalaldehyde	
CAT# OC1064	
	CAS# [606129-90-2] Formula C ₃₆ H ₃₂ N ₂ O ₂ FW 524.65
3,6-Bis(2,3-dihydrothieno[3,4-<i>b</i>][1,4]dioxin-5-yl)-9H-carbazole	
CAT# IN1456	
	CAS# [170737-46-9] Formula C ₂₄ H ₁₇ NO ₄ S ₂ FW 447.53
2,7-Bis(2,3-dihydrothieno[3,4-<i>b</i>][1,4]dioxin-5-yl)-9H-carbazole	
CAT# IN1526	
	CAS# [2247347-75-5] Formula C ₂₄ H ₁₇ NO ₄ S ₂ FW 447.53
2,7-Di(thiophen-2-yl)-9H-carbazole	
CAT# IN2017	
	CAS# / Formula C ₂₀ H ₁₃ NS ₂ FW 331.45

5,11-Bis(2-ethylhexyl)-3,9-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-5,11-dihydroindolo[3,2-<i>b</i>]carbazole	
CAT# IN1458	
	CAS# [606129-90-2] Formula C ₄₆ H ₆₆ B ₂ N ₂ O ₄ FW 732.65
Monomer-CPP Series	
4H-Cyclopenta[2,1-<i>b</i>:3,4-<i>b'</i>]dithiophene-4-one	
CAT# OC1015	
	CAS# [25796-77-4] Formula C ₉ H ₄ OS ₂ FW 192.26
2,6-Dibromo-4H-cyclopenta[1,2-<i>b</i>:5,4-<i>b'</i>]dithiophen-4-one	
CAT# OC1115	
	CAS# [636588-79-9] Formula C ₉ H ₂ Br ₂ OS ₂ FW 350.05
4H-Cyclopenta[2,1-<i>b</i>:3,4-<i>b'</i>]dithiophene	
CAT# OC1017	
	CAS# [389-58-2] Formula C ₉ H ₆ S ₂ FW 178.27
2,6-Dibromo-4H-cyclopenta[1,2-<i>b</i>:5,4-<i>b'</i>]dithiophene	
CAT# IN1011	
	CAS# [258527-25-2] Formula C ₉ H ₄ Br ₂ S ₂ FW 336.07
4,4-Dihexyl-4H-cyclopenta[2,1-<i>b</i>:3,4-<i>b'</i>]dithiophene	
CAT# IN1250	
	CAS# [153312-86-8] Formula C ₂₁ H ₃₀ S ₂ FW 346.59
2,6-Dibromo-4,4-dihexyl-4H-cyclopenta[2,1-<i>b</i>:3,4-<i>b'</i>]dithiophene	
CAT# IN1252	
	CAS# [528570-55-0] Formula C ₂₁ H ₂₈ Br ₂ S ₂ FW 504.39
4,4-Dihexyl-4H-cyclopenta[1,2-<i>b</i>:5,4-<i>b'</i>]dithiophene-2-carbaldehyde	
CAT# IN1270	
	CAS# [528570-55-0] Formula C ₂₂ H ₃₀ OS ₂ FW 374.60

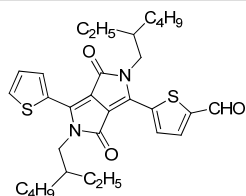
6-Bromo-4,4-dihexyl-4H-cyclopenta[1,2-b:5,4-b']dithiophene-2-carbaldehyde CAT# IN1873	 CAS# [1221821-39-1] Formula $C_{22}H_{26}BrOS_2$ FW 453.50
2,2'-(4,4-Dihexyl-4H-cyclopenta[1,2-b:5,4-b']dithiophene-2,6-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane) CAT# IN1870	 CAS# [1220888-44-7] Formula $C_{33}H_{52}B_2O_4S_2$ FW 598.52
4,4-Dihexyl-4H-cyclopenta[1,2-b:5,4-b']dithiophene-2,6-dicarbaldehyde CAT# IN1951	 CAS# [1679381-53-3] Formula $C_{23}H_{30}O_2S_2$ FW 402.61
4,4-Bis(6-bromohexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene CAT# IN2123	 CAS# [365547-20-2] Formula $C_{21}H_{28}Br_2S_2$ FW 504.38
4,4-Bis(2-ethylhexyl)-4H-cyclopenta[1,2-b:5,4-b'] dithiophene CAT# IN1060	 CAS# [365547-20-2] Formula $C_{25}H_{38}S_2$ FW 402.70
2,6-Dibromo-4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b'] dithiophene CAT# IN1010	 CAS# [365547-21-3] Formula $C_{25}H_{36}Br_2S_2$ FW 560.49
4,4-Bis(2-ethylhexyl)-4H-cyclopenta[1,2-b:5,4-b']dithiophene-2-carbonitrile CAT# IN1660	 CAS# [1623819-67-9] Formula $C_{26}H_{37}NS_2$ FW 427.71
6-Bromo-4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene-2-carbaldehyde CAT# IN2076	 CAS# [2256724-33-9] Formula $C_{26}H_{37}BrOS_2$ FW 509.61
4,4-Dioctyl-4H-cyclopenta[2,1-b:3,4-b']dithiophene CAT# IN2178	 CAS# [2256724-33-9] Formula $C_{25}H_{38}S_2$ FW 402.70
2,6-Dibromo-4,4-dihexyl-4H-cyclopenta[2,1-b:3,4-b']dithiophene CAT# IN2177	 CAS# [478404-10-3] Formula $C_{21}H_{28}Br_2S_2$ FW 504.38
2,6-Bis(trimethyltin)-4,4-bis(2-dodecylbenzo)-4H-cyclopenta[2,1-b:3,4-b']dithiophene CAT# IN1240	 CAS# [1201921-81-4] Formula $C_{39}H_{70}S_2Sn_2$ FW 840.52
(4,4-Bis(4-hexylphenyl)-4H-cyclopenta[1,2-b:5,4-b']dithiophene-2,6-diyl)bis(trimethylstannane) CAT# IN1942	 CAS# [2416095-99-1] Formula $C_{39}H_{54}S_2Sn_2$ FW 824.40
Monomer-DPP Series	
3,6-Di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4-dione CAT# IN1323	 CAS# [850583-75-4] Formula $C_{14}H_8N_2O_2S_2$ FW 300.36

3,6-Bis(5-bromothiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1322	
	CAS# [777079-55-7] Formula C ₁₄ H ₆ Br ₂ N ₂ O ₂ S ₂ FW 458.15
Di-tert-butyl 3,6-bis(5-bromothiophen-2-yl)-1,4-dioxopyrrolo[3,4-c]pyrrole-2,5(1H,4H)-dicarboxylate CAT# IN1325	
	CAS# [1046864-84-9] Formula C ₂₄ H ₂₂ Br ₂ N ₂ O ₆ S ₂ FW 658.38
Di-tert-butyl 1,4-dioxo-3,6-bis(5-(trimethylstannyl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-2,5(1H,4H)-dicarboxylate CAT# IN1545	
	CAS# [1046864-84-9] Formula C ₃₀ H ₄₀ N ₂ O ₆ S ₂ Sn ₂ FW 826.20
Di-tert-butyl 2',2'-(1,4-dioxo-3,6-di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)diacetate CAT# IN1622	
	CAS# [1669409-50-0] Formula C ₂₆ H ₂₈ N ₂ O ₆ S ₂ FW 528.64
Di-tert-butyl 2',2'-(3,6-bis(5-bromothiophen-2-yl)-1,4-dioxopyrrolo[3,4-c]pyrrole-2,5(1H,4H)-diyl)diacetate CAT# IN1624	
	CAS# [1815587-98-4] Formula C ₂₆ H ₂₆ Br ₂ N ₂ O ₆ S ₂ FW 686.43

2,5-Dibutyl-3,6-di(thiophen-2-yl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione CAT# IN2100	
	CAS# [1207173-14-5] Formula C ₂₂ H ₂₄ N ₂ O ₂ S ₂ FW 412.57
3-(5-Bromothiophen-2-yl)-2,5-dioctyl-6-(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1321	
	CAS# [1335015-92-3] Formula C ₃₀ H ₃₈ BrN ₂ O ₂ S ₂ FW 603.68
2,5-Dioctyl-3,6-di(thiophen-2-yl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione CAT# IN2102	
	CAS# [1057401-08-7] Formula C ₃₀ H ₄₀ N ₂ O ₂ S ₂ FW 524.78
3,6-Bis(5-bromothiophen-2-yl)-2,5-dioctylpyrrolo[3,4-c]pyrrole-1,4-dione CAT# IN1326	
	CAS# [1057401-13-4] Formula C ₃₀ H ₃₈ Br ₂ N ₂ O ₂ S ₂ FW 682.57
3,6-Bis(5-bromofuran-2-yl)-2,5-dihexadecylpyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1338	
	CAS# [1057401-13-4] Formula C ₄₆ H ₇₀ Br ₂ N ₂ O ₄ FW 874.87
5-(2,5-Dihexyl-3,6-dioxo-4-(thiophen-2-yl)-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrol-1-yl)thiophene-2-carbaldehyde CAT# IN1356	
	CAS# [1057401-13-4] Formula C ₂₇ H ₃₂ N ₂ O ₃ S ₂ FW 496.68

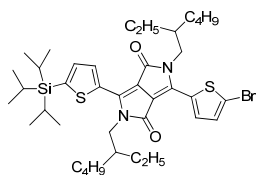
5,5'-(2,5-Dihexyl-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)bis(thiophene-2-carbaldehyde) CAT# IN1339	3-(5-Bromothiophen-2-yl)-2,5-didodecyl-6-(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1395
 CAS# Formula FW $C_{28}H_{32}N_2O_4S_2$ 524.69	 CAS# Formula FW $C_{38}H_{54}BrN_2O_2S_2$ 715.89
2,5-Dihexyl-3,6-bis(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1389	3,6-Bis(5-bromothiophen-2-yl)-2,5-didodecyl-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione CAT# IN1995
 CAS# Formula FW / $C_{38}H_{54}B_2N_2O_6S_2$ 720.60	 CAS# Formula FW [1232880-65-7] $C_{38}H_{54}Br_2N_2O_2S_2$ 794.79
2,5-Dihexyl-3,6-bis(5-(trimethylstannyl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1589	2,5-Didodecyl-3,6-bis(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1357
 CAS# Formula FW / $C_{32}H_{48}N_2O_2S_2Sn_2$ 794.29	 CAS# Formula FW $C_{50}H_{78}B_2N_2O_6S_2$ 888.92
2,5-Dioctyl-3,6-bis(5-(trimethylstannyl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1346	2,5-Bis(2-ethylhexyl)-3,6-di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1320
 CAS# Formula FW [1613705-06-8] $C_{38}H_{56}N_2O_2S_2Sn_2$ 850.39	 CAS# Formula FW [1185885-86-2] $C_{30}H_{40}N_2O_2S_2$ 524.78
2,5-Dioctyl-3,6-bis(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1347	3-(5-Bromothiophen-2-yl)-2,5-bis(2-ethylhexyl)-6-(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CT# IN1340
 CAS# Formula FW $C_{42}H_{62}N_2B_2O_6S_2$ 776.70	 CAS# Formula FW [1308671-90-0] $C_{30}H_{38}BrN_2O_2S_2$ 603.68
2,5-Didodecyl-3,6-di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1355	3-(5-Bromothiophen-2-yl)-2,5-bis(2-ethylhexyl)-6-(5-phenylthiophen-2-yl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione CT# IN2110
 CAS# Formula FW [1057401-09-8] $C_{38}H_{56}N_2O_2S_2$ 636.99	 CAS# Formula FW [1421711-97-8] $C_{36}H_{43}BrN_2O_2S_2$ 679.78

5-(2,5-Bis(2-ethylhexyl)-3,6-dioxo-4-(thiophen-2-yl)-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrol-1-yl)thiophene-2-carbaldehyde
CAT# IN1344



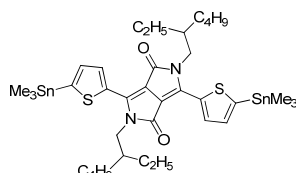
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Formula $C_{31}H_{40}N_2O_3S_2$
FW 552.79

3-(5-Bromothiophen-2-yl)-2,5-bis(2-ethylhexyl)-6-(5-(triisopropylsilyl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione
CAT# IN1390



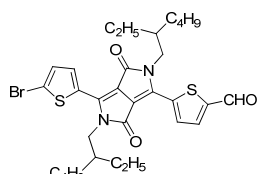
CAS# [1269004-46-7]
Formula $C_{39}H_{59}BrN_2O_2S_2Si$
FW 760.02

2,5-Bis(2-ethylhexyl)-3,6-bis(5-(trimethylstannyl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione
CAT# IN1391



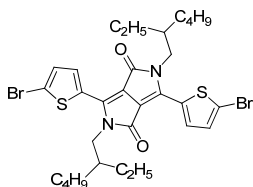
CAS# [1392422-47-7]
Formula $C_{36}H_{56}N_2O_2S_2Sn_2$
FW 850.39

5-(4-(5-Bromothiophen-2-yl)-2,5-bis(2-ethylhexyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrol-1-yl)thiophene-2-carbaldehyde
CAT# IN1384



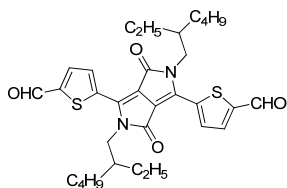
CAS# [1858204-07-5]
Formula $C_{31}H_{38}BrN_2O_3S_2$
FW 631.69

3,6-Bis(5-bromothiophen-2-yl)-2,5-bis(2-ethylhexyl)pyrrolo[3,4-c]pyrrole-1,4-dione
CAT# IN1327



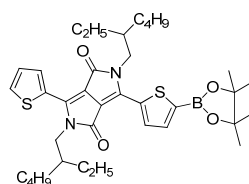
CAS# [100623-95-9]
Formula $C_{30}H_{38}Br_2N_2O_2S_2$
FW 682.57

5,5'-(2,5-Bis(2-ethylhexyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)bis(thiophene-2-carbaldehyde)
CAT# IN1343



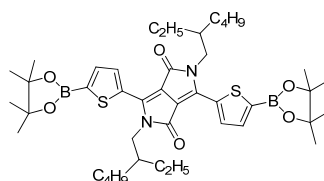
CAS# [1239218-96-2]
Formula $C_{32}H_{40}N_2O_4S_2$
FW 580.80

2,5-Bis(2-ethylhexyl)-3-(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)-6-(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione
CAT# IN1334



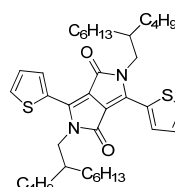
CAS# [2197974-48-2]
Formula $C_{36}H_{51}BN_2O_4S_2$
FW 650.74

2,5-Bis(2-ethylhexyl)-3,6-bis(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione
CAT# IN1335



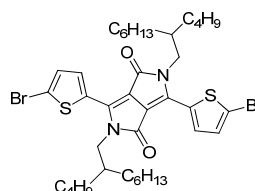
CAS# [1269004-46-7]
Formula $C_{42}H_{62}B_2N_2O_6S_2$
FW 776.70

2,5-Bis(2-butyloctyl)-3,6-di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione
CAT# IN1328



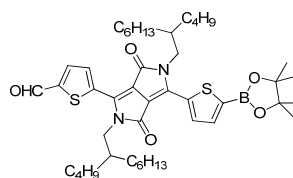
CAS# [1354631-87-0]
Formula $C_{38}H_{56}N_2O_2S_2$
FW 636.99

3,6-Bis(5-bromothiophen-2-yl)-2,5-bis(2-butyloctyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione
CAT# IN1329



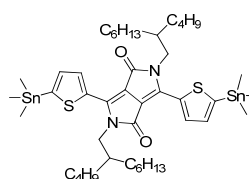
CAS# [1224709-68-5]
Formula $C_{38}H_{54}Br_2N_2O_2S_2$
FW 794.79

5-(2,5-bis(2-butyloctyl)-3,6-dioxo-4-(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrol-1-yl)thiophene-2-carbaldehyde
CAT# IN1376

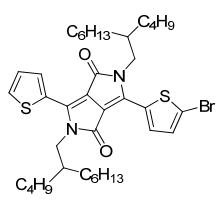
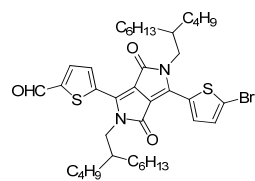
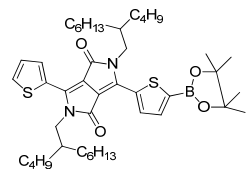
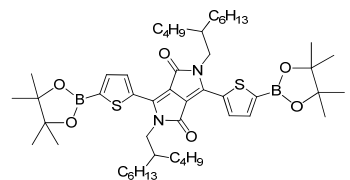
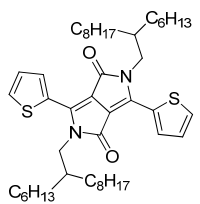
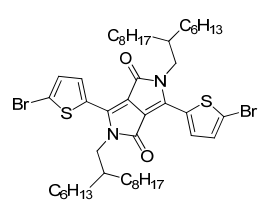


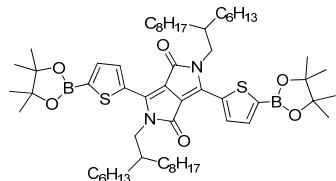
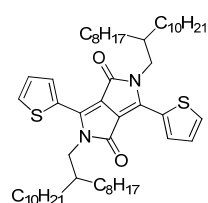
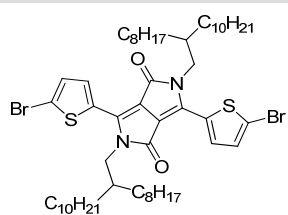
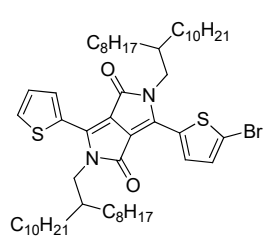
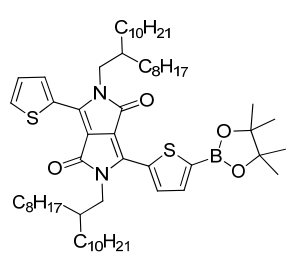
CAS# [1224709-68-5]
Formula $C_{45}H_{67}BN_2O_5S_2$
FW 790.96

2,5-Bis(2-butyloctyl)-3,6-bis(5-(trimethylstannyl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione
CAT# IN1345



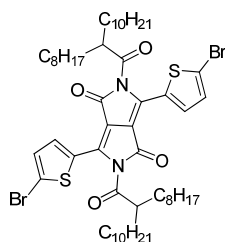
CAS# [2102299-80-7]
Formula $C_{44}H_{72}N_2O_2S_2Sn_2$
FW 962.60

3-(5-Bromothiophen-2-yl)-2,5-bis(2-butyloctyl)-6-(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	
CAT# IN1336	
	CAS# [1454609-37-0] Formula $C_{38}H_{55}BrN_2O_2S_2$ FW 715.89
5-(4-(5-Bromothiophen-2-yl)-2,5-bis(2-butyloctyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrol-1-yl)thiophene-2-carbaldehyde	
CAT# IN1396	
	CAS# Formula $C_{39}H_{55}BrN_2O_3S_2$ FW 743.90
2,5-Bis(2-butyloctyl)-3-(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)-6-(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	
CAT# IN1374	
	CAS# Formula $C_{44}H_{67}BN_2O_4S_2$ FW 762.95
2,5-Bis(2-butyloctyl)-3,6-bis(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	
CAT# IN1375	
	CAS# [1793071-06-3] Formula $C_{50}H_{78}B_2N_2O_6S_2$ FW 888.92
2,5-Bis(2-hexyldodecyl)-3,6-di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	
CAT# IN1332	
	CAS# [1044598-80-2] Formula $C_{46}H_{72}N_2O_2S_2$ FW 749.21
3,6-Bis(5-bromothiophen-2-yl)-2,5-bis(2-hexyldodecyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	
CAT# IN1333	
	CAS# [1000623-98-2] Formula $C_{46}H_{70}Br_2N_2O_2S_2$ FW 907.00

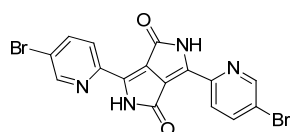
2,5-Bis(2-hexyldodecyl)-3,6-bis(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	
CAT# IN1736	
	CAS# [1224430-81-2] Formula $C_{58}H_{94}B_2N_2O_6S_2$ FW 1001.13
2,5-Bis(2-octyldodecyl)-3,6-di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	
CAT# IN1730	
	CAS# [1267540-02-2] Formula $C_{54}H_{88}N_2O_2S_2$ FW 861.42
3,6-Bis(5-bromothiophen-2-yl)-2,5-bis(2-octyldodecyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	
CAT# IN1330	
	CAS# [1260685-63-9] Formula $C_{54}H_{88}Br_2N_2O_2S_2$ FW 1019.21
3-(5-Bromothiophen-2-yl)-2,5-bis(2-octyldodecyl)-6-(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	
CAT# IN1738	
	CAS# [1415922-89-2] Formula $C_{54}H_{87}BrN_2O_2S_2$ FW 940.31
2,5-Bis(2-octyldodecyl)-3-(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)-6-(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	
CAT# IN1731	
	CAS# Formula $C_{60}H_{98}BN_2O_4S_2$ FW 987.38

2,5-Bis(2-octyldodecyl)-3,6-bis(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1337	
	CAS# [1351986-34-9] Formula $C_{66}H_{110}B_2N_2O_6S_2$ FW 1113.34
5,5'-(2,5-Bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)bis(thiophene-2-carbaldehyde) CAT# IN1930	
	CAS# [1393737-21-7] Formula $C_{56}H_{88}N_2O_4S_2$ FW 917.44
2,5-Bis(2-decyltetradecyl)-3,6-di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1732	
	CAS# [1312588-15-0] Formula $C_{62}H_{104}N_2O_2S_2$ FW 973.63
3,6-Bis(5-bromothiophen-2-yl)-2,5-bis(2-decyltetradecyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1331	
	CAS# [1224430-28-7] Formula $C_{62}H_{102}Br_2N_2O_2S_2$ FW 1131.42
2,5-Bis(2-decyltetradecyl)-3,6-bis(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1733	
	CAS# [1412448-63-5] Formula $C_{74}H_{126}B_2N_2O_6S_2$ FW 1225.55

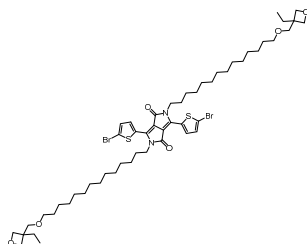
5,5'-(2,5-Bis(2-decyltetradecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)bis(thiophene-2-carbaldehyde) CAT# IN1737	
	CAS# [2597000-95-6] Formula $C_{64}H_{104}N_2O_4S_2$ FW 1029.65
3,6-Bis(5-bromothiophen-2-yl)-2,5-bis(4-octyltetradecyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione CAT# IN1992	
	CAS# [2116427-63-3] Formula $C_{58}H_{84}Br_2N_2O_2S_2$ FW 1075.33
3,6-Di(thieno[3,2-b]thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1324	
	CAS# [1246679-11-7] Formula $C_{18}H_8N_2O_2S_4$ FW 412.53
2,5-Bis(2-(2-(2-methoxyethoxy)ethoxy)ethyl)-3,6-di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1305	
	CAS# [1296131-04-8] Formula $C_{28}H_{36}N_2O_8S_2$ FW 592.72
3,6-Bis(5-bromothiophen-2-yl)-2,5-bis(2-(2-(2-methoxyethoxy)ethoxy)ethyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1866	
	CAS# [1296131-94-8] Formula $C_{28}H_{34}Br_2N_2O_8S_2$ FW 750.52
2,5-Bis(2-(2-(2-methoxyethoxy)ethoxy)ethyl)-3,6-bis(5-(trimethylstannyl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAT# IN1864	
	CAS# [1296131-94-8] Formula $C_{34}H_{52}N_2O_8S_2Sn_2$ FW 918.34

3,6-Bis(5-bromothiophen-2-yl)-2,5-bis(2-octyldodecanoyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione
CAT# IN1867


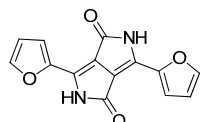
CAS# [1397261-39-0]
 Formula C₅₄H₈₂Br₂N₂O₄S₂
 FW 1047.18

3,6-Bis(5-bromopyridin-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione
CAT# IN1306


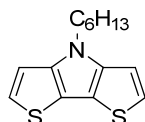
CAS# [777079-50-2]
 Formula C₁₆H₈Br₂N₄O₂
 FW 448.07

3,6-Bis(5-bromothiophen-2-yl)-2,5-bis(14-((3-ethyloxetan-3-yl)methoxy)tetradecyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione
CAT# IN2097


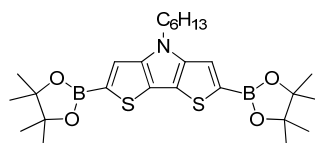
CAS#
 Formula C₅₄H₈₂Br₂N₂O₆S₂
 FW 1079.19

3,6-Di(furan-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione
CAT# IN1800


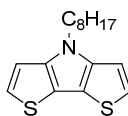
CAS# [88949-34-2]
 Formula C₁₄H₈N₂O₄
 FW 268.22

Monomer-DTP Series
4-Hexyl-4H-dithieno[3,2-b:2',3'-d]pyrrole
CAT# IN1871


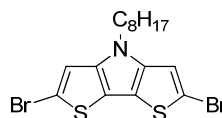
CAS# [427875-87-4]
 Formula C₁₄H₁₇NS₂
 FW 263.42

4-hexyl-2,6-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-4H-dithieno[3,2-b:2',3'-d]pyrrole
CAT# IN1872


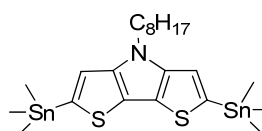
CAS# [1072031-97-0]
 Formula C₂₆H₃₉B₂NO₄S₂
 FW 515.34

N-octyl-dithieno[3,2-b:2,3-d]pyrrole
CAT# IN1040


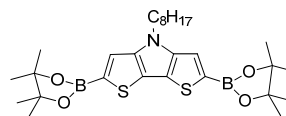
CAS# [141029-75-6]
 Formula C₁₆H₂₁NS₂
 FW 291.47

2,6-Dibromo-N-octyl-dithieno[3,2-b:2,3-d]pyrrole
CAT# IN1041


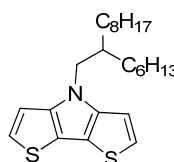
CAS# [1346688-54-7]
 Formula C₁₆H₁₅Br₂NS₂
 FW 449.27

2,6-Bis(trimethyltin)-N-octyl-dithieno[3,2-b:2,3-d]pyrrole
CAT# IN1341


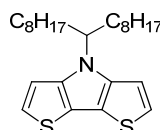
CAS# [1065645-72-8]
 Formula C₂₂H₃₇NS₂Sn₂
 FW 617.09

4-Octyl-2,6-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-4H-dithieno[3,2-b:2',3'-d]pyrrole
CAT# IN1342


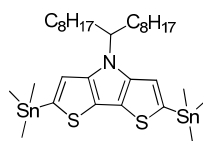
CAS#
 Formula C₂₈H₄₃B₂NO₄S₂
 FW 543.40

4-(2-Hexyldecyl)-4H-dithieno[3,2-b:2',3'-d]pyrrole
CAT# IN1740


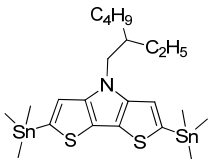
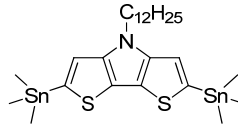
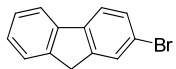
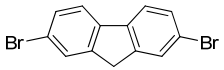
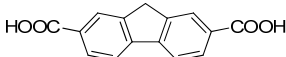
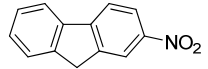
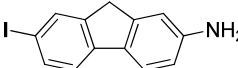
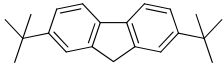
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 Formula C₂₄H₃₇NS₂
 FW 403.69

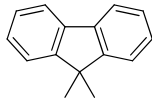
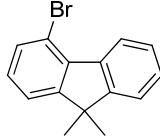
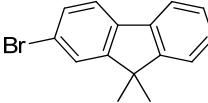
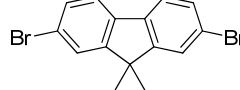
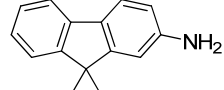
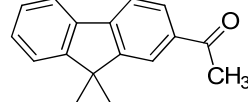
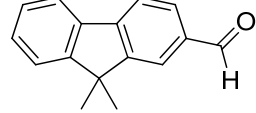
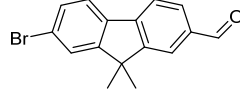
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CAT# IN1630


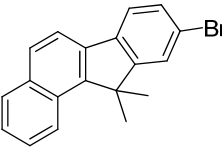
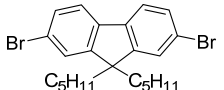
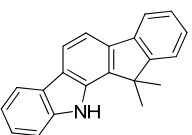
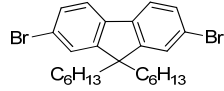
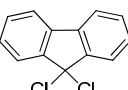
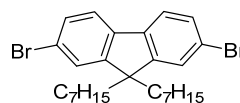
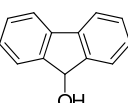
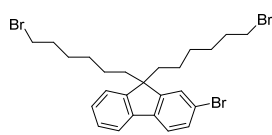
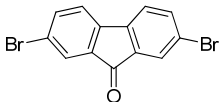
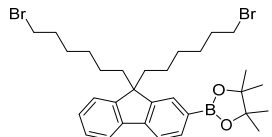
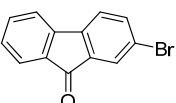
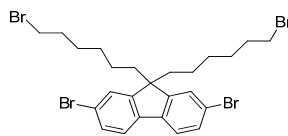
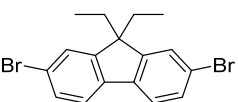
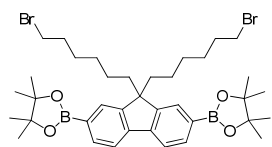
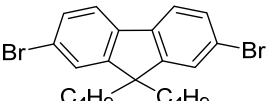
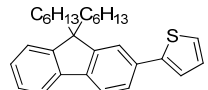
CAS# [943920-67-0]
 Formula C₂₅H₃₉NS₂
 FW 417.71

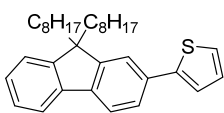
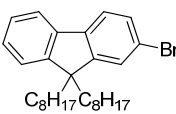
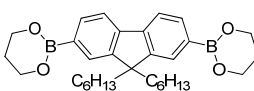
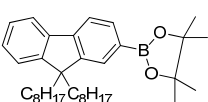
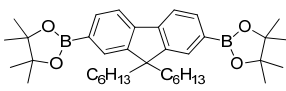
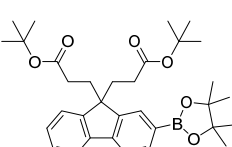
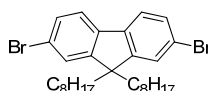
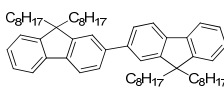
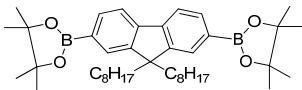
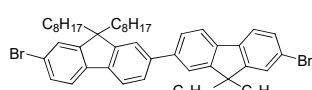
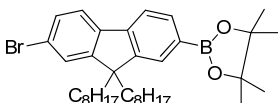
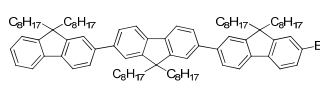
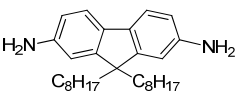
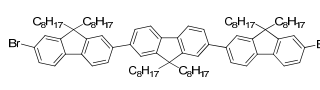
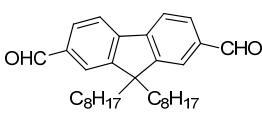
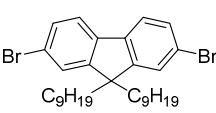
4-(Heptadecan-9-yl)-2,6-bis(trimethylstannyl)-4H-dithieno[3,2-b:2',3'-d]pyrrole
CAT# IN1881


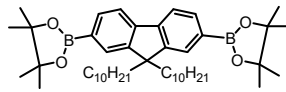
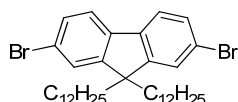
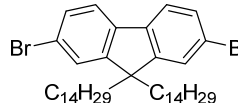
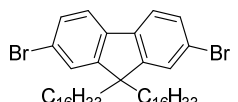
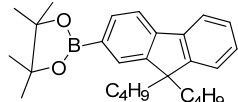
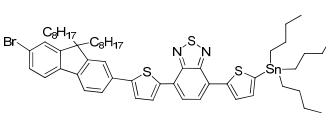
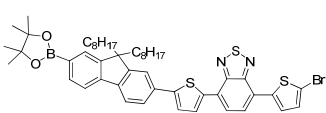
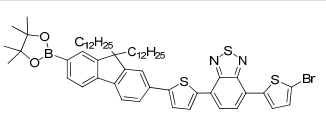
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 Formula C₃₁H₅₅NS₂Sn₂
 FW 743.33

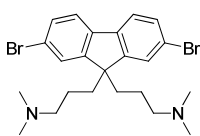
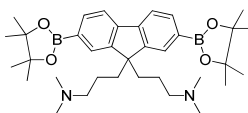
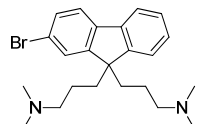
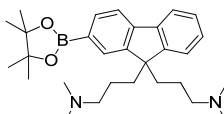
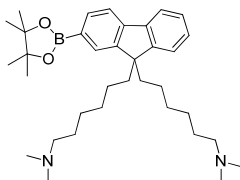
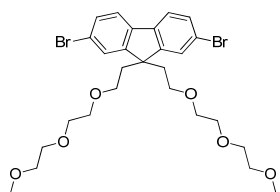
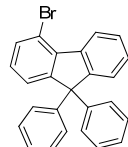
4-(2-Ethylhexyl)-2,6-bis(trimethylstannyl)-4H-dithieno[3,2-b:2',3'-d]pyrrole	
CAT# IN1640	
	CAS# [1234499-56-9] Formula $C_{22}H_{37}NS_2Sn_2$ FW 617.09
4-Dodecyl-2,6-bis(trimethylstannyl)-4H-dithieno[3,2-b:2',3'-d]pyrrole	
CAT# IN1441	
	CAS# [1065645-75-1] Formula $C_{26}H_{45}NS_2Sn_2$ FW 673.19
Monomer-Fluorene Series	
2-Bromo-9H-fluorene	
CAT# IN1224	
	CAS# [1133-80-8] Formula $C_{13}H_9Br$ FW 245.12
2,7-Dibromo-9H-fluorene	
CAT# IN1225	
	CAS# [16433-88-8] Formula $C_{13}H_7Br_2$ FW 324.01
9H-fluorene-2,7-dicarboxylic acid	
CAT# IN1917	
	CAS# [22980-67-2] Formula $C_{15}H_{10}O_4$ FW 254.24
2-Nitro-9H-fluorene	
CAT# IN1229	
	CAS# [607-57-8] Formula $C_{13}H_9NO_2$ FW 211.22
7-Iodo-9H-fluorene-2-amine	
CAT# IN1584	
	CAS# [34172-48-0] Formula $C_{13}H_{10}IN$ FW 307.13
2,7-Di-tert-butyl-9H-fluorene	
CAT# IN1222	
	CAS# [58775-05-6] Formula $C_{21}H_{26}$ FW 278.43

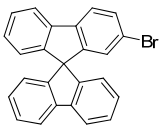
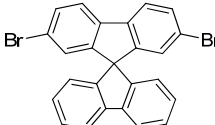
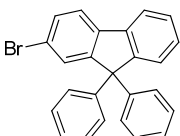
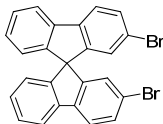
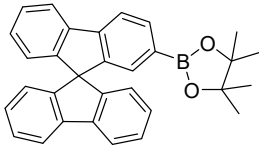
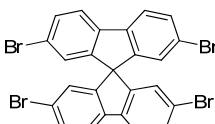
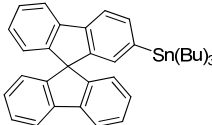
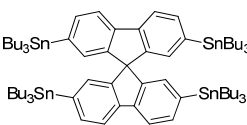
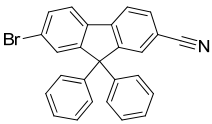
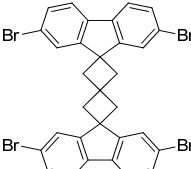
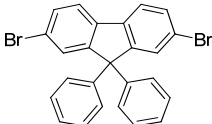
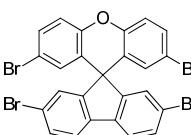
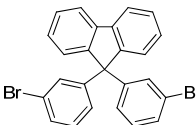
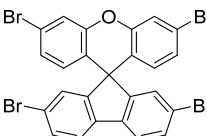
9,9-Dimethyl-9H-fluorene	
CAT# IN1241	
	CAS# [4569-45-3] Formula $C_{15}H_{14}$ FW 194.27
4-Bromo-9,9-dimethyl-9H-fluorene	
CAT# IN1218	
	CAS# [942615-32-9] Formula $C_{15}H_{13}Br$ FW 273.17
2-Bromo-9,9-dimethyl-9H-fluorene	
CAT# IN1220	
	CAS# [28320-31-2] Formula $C_{15}H_{13}Br$ FW 273.17
2,7-Dibromo-9,9-dimethyl-9H-fluorene	
CAT# IN1223	
	CAS# [28320-32-3] Formula $C_{15}H_{12}Br_2$ FW 352.06
9,9-Dimethyl-9H-fluorene-2-amine	
CAT# IN1230	
	CAS# [108714-73-4] Formula $C_{15}H_{15}N$ FW 209.29
1-(9,9-Dimethyl-9H-fluorene-2-yl)ethanone	
CAT# IN1290	
	CAS# [206-95-4] Formula $C_{17}H_{16}O$ FW 236.31
9,9-Dimethyl-9H-fluorene-2-carbaldehyde	
CAT# IN1291	
	CAS# [206-95-4] Formula $C_{16}H_{14}O$ FW 222.28
7-Bromo-9,9-dimethyl-9H-fluorene-2-carbaldehyde	
CAT# IN2007	
	CAS# [944940-90-3] Formula $C_{16}H_{13}BrO$ FW 301.18

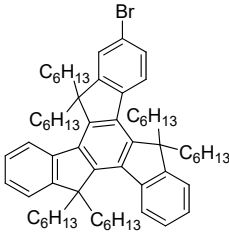
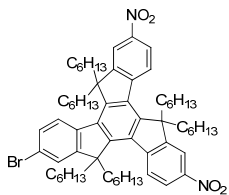
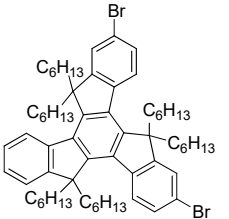
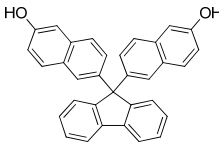
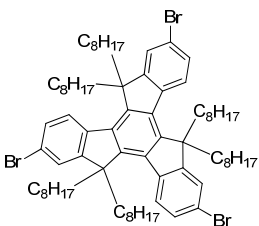
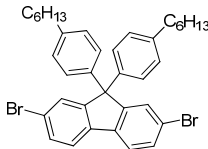
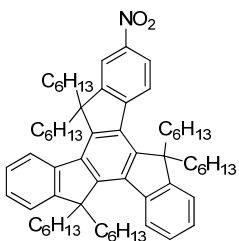
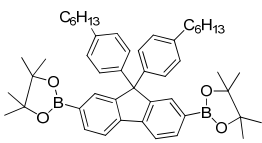
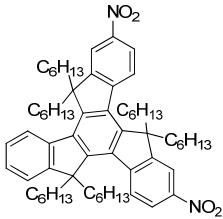
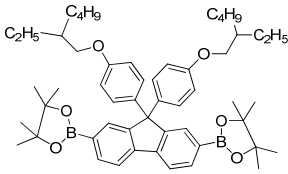
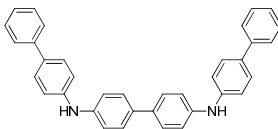
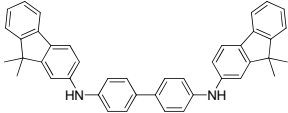
9-Bromo-11,11-dimethyl-11H-benzo[a]fluorene CAT# IN1216  CAS# [1198396-29-0] Formula C₁₉H₁₅Br FW 323.23	2,7-Dibromo-9,9-dipentyl-9H-fluorene CAT# IN2035  CAS# [1379684-20-4] Formula C₂₃H₂₈Br₂ FW 464.29
12,12-Dimethyl-11,12-dihydroindeno[2,1-a]carbazole CAT# IN1295  CAS# [1329054-41-2] Formula C₂₁H₁₇N FW 283.37	2,7-Dibromo-9,9-dihexyl-9H-fluorene CAT# IN1219  CAS# [189367-54-2] Formula C₂₅H₃₂Br₂ FW 492.33
9,9-Dichloro-9H-fluorene CAT# IN1231  CAS# [25023-01-2] Formula C₁₃H₈Cl₂ FW 235.11	2,7-Dibromo-9,9-diheptyl-9H-fluorene CAT# IN2047  CAS# [794548-76-8] Formula C₂₇H₃₆Br₂ FW 520.39
9-Hydroxyfluorene CAT# IN1227  CAS# [1689-64-1] Formula C₁₃H₁₀O FW 182.22	2-Bromo-9,9-bis(6-bromohexyl)-9H-fluorene CAT# IN1727  CAS# [438201-29-7] Formula C₂₅H₃₁Br₃ FW 571.23
2,7-Dibromo-9H-fluorenone CAT# IN1226  CAS# [14348-75-5] Formula C₁₃H₆Br₂O FW 337.99	2-(9,9-Bis(6-bromohexyl)-9H-fluoren-2-yl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAT# IN2727  CAS# [1030020-61-1] Formula C₃₁H₄₃BBr₂O₂ FW 618.30
2-Bromo-9H-fluorenone CAT# IN1228  CAS# [3096-56-8] Formula C₁₃H₇BrO FW 259.10	2,7-Dibromo-9,9-bis(6-bromohexyl)-9H-fluorene CAT# IN1728  CAS# [570414-33-4] Formula C₂₅H₃₀Br₄ FW 650.12
2,7-Dibromo-9,9-diethyl-9H-fluorene CAT# IN2031  CAS# [197969-58-7] Formula C₁₇H₁₆Br₂ FW 380.12	2,2'-(9,9-Bis(6-bromohexyl)-9H-fluorene-2,7-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane) CAT# IN2728  CAS# [851775-62-7] Formula C₃₇H₅₄B₂Br₂O₄ FW 744.25
2,7-Dibromo-9,9-dibutyl-9H-fluorene CAT# IN2032  CAS# [188200-91-1] Formula C₂₁H₂₄Br₂ FW 436.23	2-(9,9-Dihexyl-9H-fluoren-2-yl)thiophene CAT# IN1729  CAS# [928227-56-9] Formula C₂₉H₃₆S FW 416.66

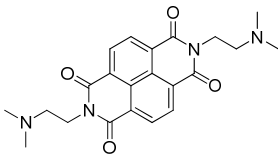
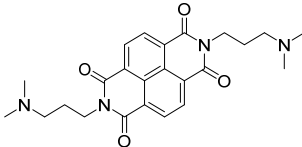
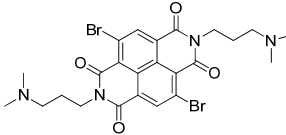
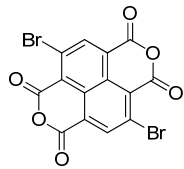
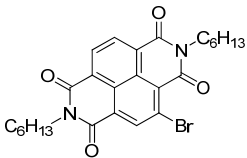
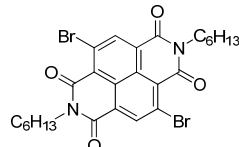
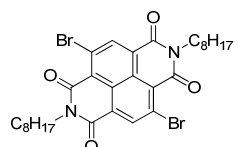
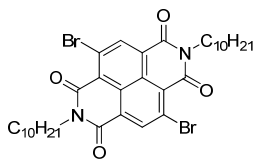
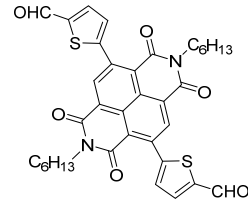
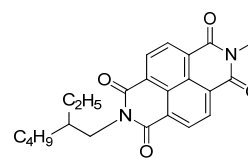
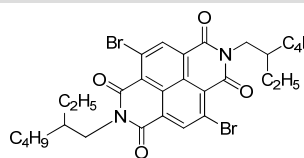
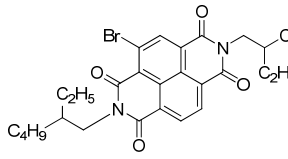
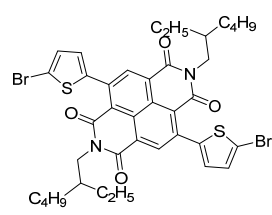
2-(9,9-Dioctyl-9H-fluorene-2-yl)thiophene CAT# IN1929  CAS# [302554-76-3] Formula C₃₃H₄₄S FW 472.77	2-Bromo-9,9-dioctyl-9H-fluorene CAT# IN1911  CAS# [302554-80-9] Formula C₂₉H₄₁Br FW 469.54
2,2'-(9,9-Dihexyl-9H-fluorene-2,7-diyl)bis(1,3,2-dioxaborinane) CAT# IN1126  CAS# [250597-29-6] Formula C₃₁H₄₄B₂O₄ FW 502.30	2-(9,9-Dioctyl-9H-fluorene-2-yl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAT# IN1912  CAS# [302554-81-0] Formula C₃₅H₅₃BO₂ FW 516.61
2,2'-(9,9-Dihexyl-9H-fluorene-2,7-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane) CAT# IN1123  CAS# [254755-24-3] Formula C₃₇H₅₆B₂O₄ FW 584.46	Di-tert-butyl 3,3'-(2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-fluorene-9,9-diyl) dipropanoate CAT# IN1932  CAS# [1067250-02-5] Formula C₃₃H₄₅BO₆ FW 548.52
2,7-Dibromo-9,9-dioctyl-9H-fluorene CAT# IN1221  CAS# [198964-46-4] Formula C₂₉H₄₀Br₂ FW 548.44	9,9,9',9'-Tetraoctyl-9H,9'H-2,2'-bifluorene CAT# IN1913  CAS# [302554-79-6] Formula C₅₈H₈₂ FW 779.27
2,2'-(9,9-dioctyl-9H-fluorene-2,7-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane) CAT# IN1125  CAS# [196207-58-6] Formula C₄₁H₆₄B₂O₄ FW 642.57	7,7'-Bibromo-9,9,9',9'-tetraoctyl-9H,9'H-2,2'-bifluorene CAT# IN1915  CAS# [428865-53-6] Formula C₅₈H₈₀Br₂ FW 937.06
2-(7-Bromo-9,9-dioctyl-9H-fluorene-2-yl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAT# IN1135  CAS# [620624-96-6] Formula C₃₅H₅₂BBro₂ FW 595.50	7-Bromo-9,9,9',9'',9''-hexaoctyl-9H,9'H,9''H-2,2':2'',2''-terfluorene CAT# IN1914  CAS# [409093-95-4] Formula C₆₇H₁₂₁Br FW 1246.80
9,9-Dioctyl-9H-fluorene-2,7-diamine CAT# IN1012  CAS# [851042-10-9] Formula C₂₉H₄₄N₂ FW 420.67	7,7''-Dibromo-9,9,9',9'',9''-hexaoctyl-9H,9'H,9''H-2,2':2'',2''-terfluorene CAT# IN1916  CAS# [646474-54-6] Formula C₆₇H₁₂₀Br₂ FW 1325.69
9,9-Dioctyl-9H-fluorene-2,7-dicarbaldehyde CAT# IN1909  CAS# [380600-91-9] Formula C₃₁H₄₂O₂ FW 446.66	2,7-Dibromo-9,9-dinonyl-9H-fluorene CAT# IN2041  CAS# [480997-58-8] Formula C₃₁H₄₄Br₂ FW 576.50

2,2'-(9,9-Didecyl-9H-fluorene-2,7-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane)	
CAT# IN2115	
	CAS# [711026-06-1] Formula $C_{45}H_{72}B_2O_4$ FW 698.67
2,7-Dibromo-9,9-didodecyl-9H-fluorene	
CAT# IN1232	
	CAS# [286438-45-7] Formula $C_{37}H_{56}Br_2$ FW 660.65
2,7-Dibromo-9,9-ditetradecyl-9H-fluorene	
CAT# IN2042	
	CAS# [490041-33-3] Formula $C_{41}H_{64}Br_2$ FW 716.77
2,7-Dibromo-9,9-dihexadecyl-9H-fluorene	
CAT# IN2044	
	CAS# [419568-36-8] Formula $C_{45}H_{72}Br_2$ FW 772.88
2-(9,9-Dibutyl-9H-fluorene-2-yl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane	
CAT# IN1785	
	CAS# [785051-52-7] Formula $C_{27}H_{37}BO_2$ FW 404.39
4-(5-(7-Bromo-9,9-dioctyl-9H-fluorene-2-yl)thiophen-2-yl)-7-(5-(tributyls tannyl)thiophen-2-yl)benzo[c][1,2,5]thiadiazole	
CAT# IN1575	
	CAS# [1581696-33-4] Formula $C_{55}H_{73}BrN_2S_3Sn$ FW 1056.99
4-(5-Bromothiophen-2-yl)-7-(5-(9,9-dioctyl-7-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-fluorene-2-yl)thiophen-2-yl)benzo[c][1,2,5]thiadiazole	
F8TBT CAT# IN1576	
	CAS# / Formula $C_{49}H_{58}BB_2N_2O_2S_3$ FW 893.91
4-(5-Bromothiophen-2-yl)-7-(5-(9,9-didodecyl-7-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-fluorene-2-yl)thiophen-2-yl)benzo[c][1,2,5]thiadiazole	
CAT# IN1577	
	CAS# / Formula $C_{57}H_{74}BB_2N_2O_2S_3$ FW 1006.12

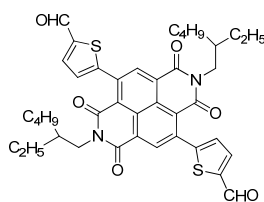
3,3'-(2,7-Dibromo-9H-fluorene-9,9-diyl)bis(N,N-dimethylpropan-1-amine)	
CAT# IN1217	
	CAS# [673474-73-2] Formula $C_{23}H_{30}Br_2N_2$ FW 494.31
3,3'-(2,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-fluorene-9,9-diyl)bis(N,N-dimethylpropan-1-amine)	
CAT# IN1759	
	CAS# [953390-94-8] Formula $C_{35}H_{54}B_2N_2O_4$ FW 588.44
3,3'-(2-Bromo-9H-fluorene-9,9-diyl)bis(N,N-dimethylpropan-1-amine)	
CAT# IN1750	
	CAS# / Formula $C_{23}H_{31}BrN_2$ FW 415.41
3,3'-(2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-fluorene-9,9-diyl)bis(N,N-dimethylpropan-1-amine)	
CAT# IN1751	
	CAS# / Formula $C_{29}H_{43}BN_2O_2$ FW 462.47
6,6'-(2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-fluorene-9,9-diyl)bis(N,N-dimethylhexan-1-amine)	
CAT# IN1753	
	CAS# / Formula $C_{35}H_{55}BN_2O_2$ FW 546.63
2,7-Dibromo-9,9-bis(2-(2-(2-methoxyethoxy)ethoxy)ethyl)-9H-fluorene	
CAT# IN1757	
	CAS# [439942-93-5] Formula $C_{27}H_{36}Br_2O_6$ FW 616.38
4-Bromo-9,9-diphenyl-9H-fluorene	
CAT# IN1233	
	CAS# [713125-22-5] Formula $C_{25}H_{17}Br$ FW 397.31

2-Bromo-9,9'-spirobi[9H-fluorene] CAT# IN1234  CAS# [171408-76-7] Formula C₂₅H₁₅Br FW 395.29	2,7-Dibromo-9,9'-spirobifluorene CAT# IN1237  CAS# [171408-84-7] Formula C₂₅H₁₄Br₂ FW 474.19
2-Bromo-9,9-diphenyl-9H-fluorene CAT# IN1235  CAS# [474918-32-6] Formula C₂₅H₁₇Br FW 397.31	2,2'-Dibromo-9,9'-spirobi[9H-fluorene] CAT# IN1238  CAS# [67665-47-8] Formula C₂₅H₁₄Br₂ FW 474.19
2-(9,9'-Spirobi[fluoren]-2-yl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAT# IN1643  CAS# [884336-44-1] Formula C₃₁H₂₇BO₂ FW 442.36	2,2',7,7'-Tetrabromo-9,9'-spirobifluorene CAT# IN1239  CAS# [128055-74-3] Formula C₂₅H₁₂Br₄ FW 631.98
9,9'-Spirobi[fluoren]-2-yltributylstannane CAT# IN1644  CAS# [2023839-51-0] Formula C₃₇H₄₂Sn FW 605.44	2,2',7,7'-Tetrakis(tributylstannyl)-9,9'-spirobi[fluorene] CAT# IN1299  CAS# [128055-74-3] Formula C₇₃H₁₂₀Sn₄ FW 1472.57
7-Bromo-9,9-diphenyl-9H-fluorene-2-carbonitrile CAT# IN1272  CAS# [1539314-80-1] Formula C₂₆H₁₆BrN FW 422.32	Spiro[3.3]heptane, 2,6-bis(2,7-dibromo-9H-fluorene)- CAT# IN1797  CAS# [1539314-80-1] Formula C₃₁H₂₆Br₄ FW 712.11
2,7-Dibromo-9,9-diphenyl-9H-fluorene CAT# IN1236  CAS# [186259-63-2] Formula C₂₅H₁₆Br₂ FW 476.20	2,2',7,7'-Tetrabromospiro[fluorene-9,9'-xanthene] CAT# IN1997  CAS# [1338596-81-8] Formula C₂₅H₁₂Br₄O FW 647.98
9,9-Bis(3-bromophenyl)-9H-fluorene CAT# IN1278  CAS# [1211547-22-6] Formula C₂₅H₁₆Br₂ FW 476.20	2,3',6',7'-Tetrabromospiro[fluorene-9,9'-xanthene] CAT# IN2000  CAS# [2092900-01-9] Formula C₂₅H₁₂Br₄O FW 647.99

2-Bromo-5,5,10,10,15,15-hexahexyl-10,15-dihydro-5H-diindeno[1,2-a:1',2'-c]fluorene CAT# IN3003	2-Bromo-5,5,10,10,15,15-hexahexyl-7,12-dinitro-10,15-dihydro-5H-diindeno[1,2-a:1',2'-c]fluorene CAT# IN3015
 CAS# Formula FW C₆₃H₈₉Br 926.28	 CAS# Formula FW C₆₃H₈₇BrN₂O₄ 1016.28
2,7-Dibromo-5,5,10,10,15,15-hexahexyl-10,15-dihydro-5H-diindeno[1,2-a:1',2'-c]fluorene CAT# IN3004	6,6'-(9H-Fluorene-9,9-diyl)dinaphthalen-2-ol CAT# IN1260
 CAS# Formula FW C₆₃H₈₉Br₂ 1005.18	 CAS# Formula FW [934557-66-1] C₃₃H₂₂O₂ 450.53
2,7,12-Tribromo-5,5,10,10,15,15-hexaoctyl-10,15-dihydro-5H-diindeno[1,2-a:1',2'-c]fluorene CAT# IN3005	2,7-Dibromo-9,9-bis(4-hexylphenyl)-9H-fluorene CAT# IN1628
 CAS# Formula FW C₇₅H₁₁₁Br₃ 1252.40	 CAS# Formula FW / C₃₇H₄₀Br₂ 644.52
5,5,10,10,15,15-Hexahexyl-2-nitro-10,15-dihydro-5H-diindeno[1,2-a:1',2'-c]fluorene CAT# IN3011	2,2'-(9,9-Bis(4-hexylphenyl)-9H-fluorene-2,7-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane) CAT# IN1629
 CAS# Formula FW C₆₃H₈₉NO₂ 892.39	 CAS# Formula FW [1206875-64-0] C₄₀H₆₄B₂O₄ 738.65
5,5,10,10,15,15-Hexahexyl-2,7-dinitro-10,15-dihydro-5H-diindeno[1,2-a:1',2'-c]fluorene CAT# IN3013	2,7-Bis(4,4,5,5-tetramethyl-1,3,3-dioxaborolan-2-yl)-9,9-bis(4-(2-ethylhexyloxy)phenyl)fluorene CAT# IN1264
 CAS# Formula FW C₆₃H₈₈N₂O₄ 937.38	 CAS# Formula FW C₅₃H₇₂B₂O₆ 826.76
	N',N'-di([1,1'-biphenyl]-4-yl)-[1,1'-biphenyl]-4,4'-diamine CAT# IN1268
	 CAS# Formula FW C₃₆H₂₈N₂ 488.62
	N',N'-bis(9,9-dimethyl-9H-fluoren-2-yl)-[1,1'-biphenyl]-4,4'-diamine CAT# IN1269
	 CAS# Formula FW C₄₂H₃₆N₂ 568.75

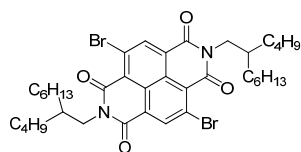
Monomer-NDI Series		
2,7-Bis(2-(dimethylamino)ethyl)benzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone		
CAT# IN1071		
	CAS#	[22291-04-9]
	Formula	C ₂₂ H ₂₄ N ₄ O ₄
	FW	408.45
2,7-Bis(3-(dimethylamino)propyl)benzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone		
CAT# IN1996		
	CAS#	[3436-54-2]
	Formula	C ₂₄ H ₂₈ N ₄ O ₄
	FW	436.51
4,9-Dibromo-2,7-bis(3-(dimethylamino)propyl)benzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone		
CAT# IN1078		
	CAS#	[1375748-41-6]
	Formula	C ₂₄ H ₂₆ Br ₂ N ₄ O ₄
	FW	594.30
5,10-Dibromoisochromeno[6,5,4-<i>def</i>]isochromene-1,3,6,8(3<i>aH</i>,8<i>aH</i>)-tetraone		
CAT# IN1072		
	CAS#	[83204-68-6]
	Formula	C ₁₄ H ₄ Br ₂ O ₆
	FW	425.97
4-Bromo-2,7-diethylbenzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone		
CAT# IN1020		
	CAS#	[1315605-26-5]
	Formula	C ₂₆ H ₂₆ BrN ₂ O ₄
	FW	513.42
4,9-Dibromo-2,7-diethylbenzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8-tetraone		
CAT# IN1021		
	CAS#	[1239327-73-1]
	Formula	C ₂₆ H ₂₆ Br ₂ N ₂ O ₄
	FW	592.32
2,6-Dibromo-N,N'-di-n-octyl-1,8,4,5-naphthalenetetracarboxdiimide		
CAT# IN1895		
	CAS#	[926643-78-9]
	Formula	C ₃₀ H ₃₆ Br ₂ N ₂ O ₄
	FW	648.43
4,9-Dibromo-2,7-didecylbenzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone		
CAT# IN1261		
	CAS#	/
	Formula	C ₃₄ H ₄₄ Br ₂ N ₂ O ₄
	FW	704.53
5,5'-(2,7-Dihexyl-1,3,6,8-tetraoxo-1,2,3,6,7,8-hexahydrobenzo[<i>lmn</i>][3,8]phenanthroline-4,9-diyl)bis(thiophene-2-carbaldehyde)		
CAT# IN1550		
	CAS#	
	Formula	C ₃₆ H ₃₄ N ₂ O ₆ S ₂
	FW	654.79
2,7-Bis(2-ethylhexyl)benzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone		
CAT# IN1164		
	CAS#	
	Formula	C ₃₀ H ₃₈ N ₂ O ₄
	FW	490.63
4,9-Dibromo-2,7-bis(2-ethylhexyl)benzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone		
CAT# IN1209		
	CAS#	[1088205-02-0]
	Formula	C ₃₀ H ₃₆ Br ₂ N ₂ O ₄
	FW	648.43
4-Bromo-2,7-bis(2-ethylhexyl)benzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone		
CAT# IN1210		
	CAS#	
	Formula	C ₃₀ H ₃₇ BrN ₂ O ₄
	FW	569.53
4,9-Bis(5-bromothiophen-2-yl)-2,7-bis(2-ethylhexyl)benzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone		
CAT# IN1854		
	CAS#	[1320282-67-4]
	Formula	C ₃₈ H ₄₀ Br ₂ N ₂ O ₄ S ₂
	FW	812.67

5,5'-(2,7-Bis(2-ethylhexyl)-1,3,6,8-tetraoxo-1,2,3,6,7,8-hexahydrobenzo[*lmn*][3,8]phenanthroline-4,9-diyl)bis(thiophene-2-carbaldehyde)
CAT# IN1262



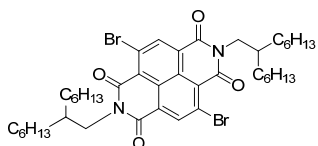
CAS#
Formula $C_{40}H_{42}N_2O_6S_2$
FW 710.90

4,9-Dibromo-2,7-bis(2-butyloctyl)benzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone
CAT# IN1265



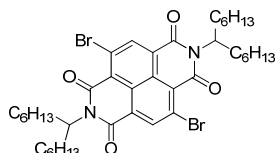
CAS# [1614253-96-1]
Formula $C_{38}H_{52}Br_2N_2O_4$
FW 760.64

4,9-Dibromo-2,7-bis(2-hexyloctyl)benzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone
CAT# IN1266



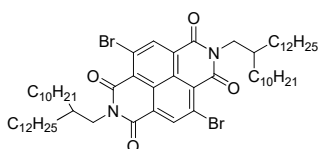
CAS# /
Formula $C_{42}H_{60}Br_2N_2O_4$
FW 816.74

4,9-Dibromo-2,7-di(tridecan-7-yl)benzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone
CAT# IN1247



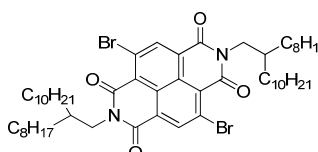
CAS#
Formula $C_{40}H_{56}Br_2N_2O_4$
FW 788.69

4,9-Dibromo-2,7-bis(2-decyltetradecyl)benzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone
CAT# IN1022



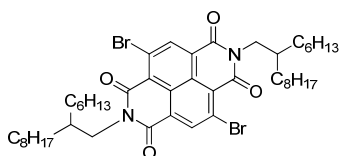
CAS# [1088205-04-2]
Formula $C_{62}H_{100}Br_2N_2O_4$
FW 1097.28

4,9-Dibromo-2,7-bis(2-octyldodecyl)benzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone
CAT# IN1023



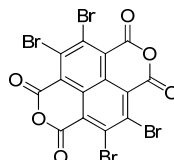
CAS# [1100243-35-3]
Formula $C_{64}H_{84}Br_2N_2O_4$
FW 985.06

4,9-Dibromo-2,7-bis(2-hexyldodecyl)benzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone
CAT# IN1248



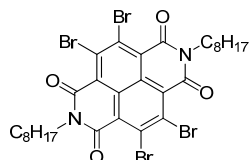
CAS# [1459168-68-3]
Formula $C_{46}H_{68}Br_2N_2O_4$
FW 872.85

4,5,9,10-Tetrabromoiso-chromeno[6,5,4-*def*]isochromene-1,3,6,8-tetraone
CAT# IN1073



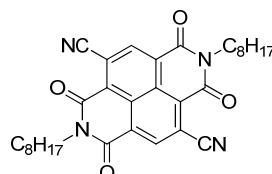
CAS# [299962-88-2]
Formula $C_{14}Br_4O_6$
FW 583.76

4,5,9,10-Tetrabromo-2,7-dioctylbenzo[*lmn*][3,8]phenanthroline-1,3,6,8-tetraone
CAT# IN1076



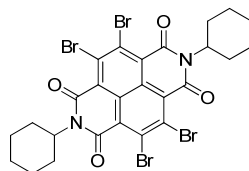
CAS# [954374-43-7]
Formula $C_{30}H_{34}Br_4N_2O_4$
FW 806.22

2,7-Dioctyl-1,3,6,8-tetraoxo-1,2,3,6,7,8-hexahydrobenzo[*lmn*][3,8]phenanthroline-4,9-dicarbonitrile
CAT# IN1876



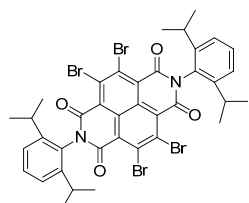
CAS# [942130-56-5]
Formula $C_{32}H_{36}N_4O_4$
FW 540.65

4,5,9,10-Tetrabromo-2,7-dicyclohexylbenzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone
CAT# IN1276

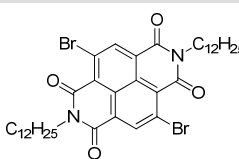
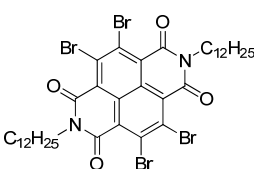
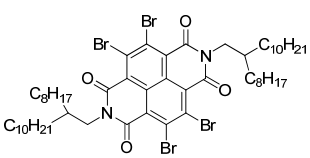
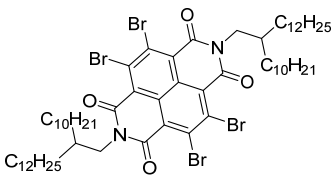
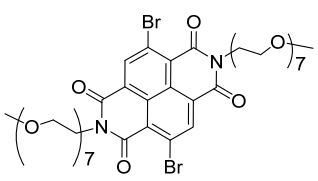
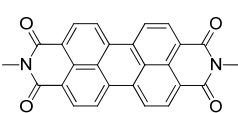


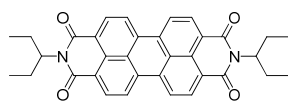
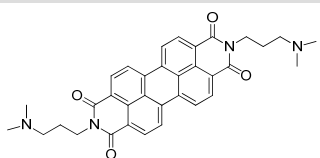
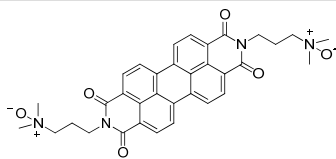
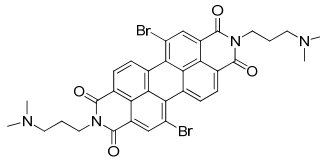
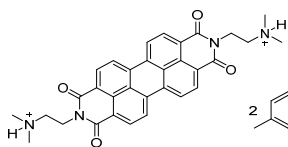
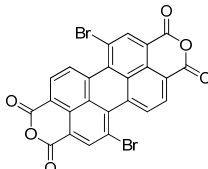
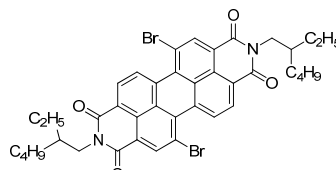
CAS# [2454552-14-6]
Formula $C_{26}H_{22}Br_4N_2O_4$
FW 746.08

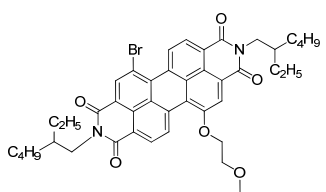
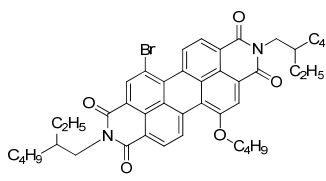
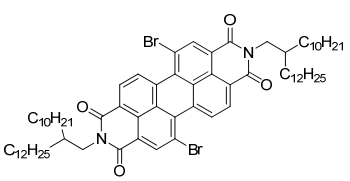
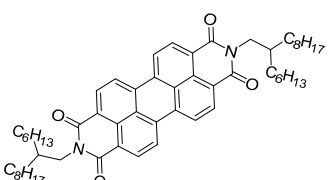
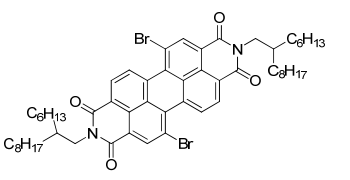
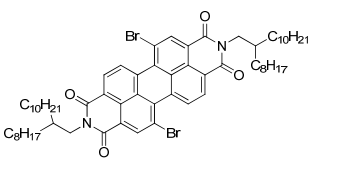
4,5,9,10-Tetrabromo-2,7-bis(2,6-diisopropylphenyl)benzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone
CAT# IN1536

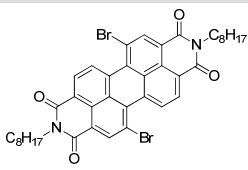
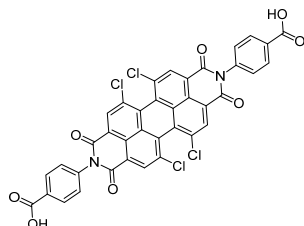
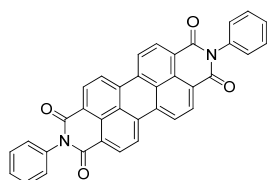
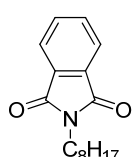
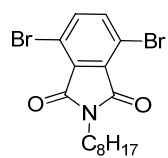
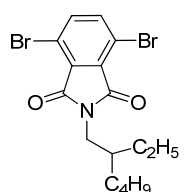


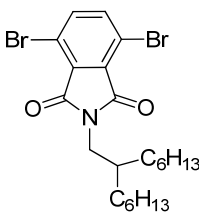
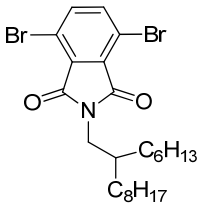
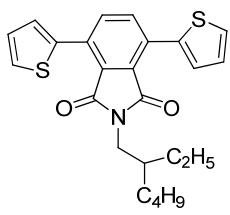
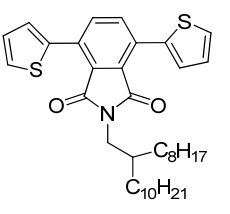
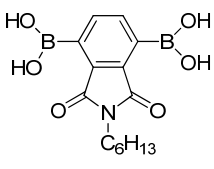
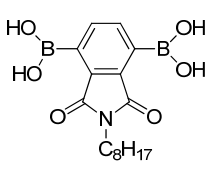
CAS# [943148-75-2]
Formula $C_{38}H_{34}Br_4N_2O_4$
FW 902.30

4,9-Dibromo-2,7-didodecylbenzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone	
CAT# IN1274	
	CAS# [1444006-57-8] Formula C ₃₈ H ₅₂ Br ₂ N ₂ O ₄ FW 760.64
4,5,9,10-Tetrabromo-2,7-didodecylbenzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8-tetraone	
CAT# IN1074	
	CAS# [2086725-21-3] Formula C ₃₈ H ₅₀ Br ₄ N ₂ O ₄ FW 918.43
4,5,9,10-Tetrabromo-2,7-bis(2-octyldodecyl)benzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8-tetraone	
CAT# IN1075	
	CAS# [1219501-17-3] Formula C ₆₄ H ₈₂ Br ₄ N ₂ O ₄ FW 1142.86
4,5,9,10-Tetrabromo-2,7-bis(2-decyltetradecyl)benzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone	
CAT# IN1747	
	CAS# [1219501-16-2] Formula C ₆₂ H ₉₈ Br ₄ N ₂ O ₄ FW 1255.07
4,9-Dibromo-2,7-di(2,5,8,11,14,17,20-heptaodocosan-22-yl)benzo[<i>lmn</i>][3,8]phenanthroline-1,3,6,8(2<i>H</i>,7<i>H</i>)-tetraone	
g7-NDI-Br2	
CAT# IN1856	
	CAS# [2225708-89-2] Formula C ₄₄ H ₆₄ Br ₂ N ₂ O ₁₈ FW 1068.79
Monomer-PDI Series	
2,9-Dimethylantra[2,1,9-<i>def</i>:6,5,10-<i>d'e'f'</i>]diisoquinoline-1,3,8,10(2<i>H</i>,9<i>H</i>)-tetraone	
CAT# IN1214	
	CAS# Formula C ₂₆ H ₁₄ N ₂ O ₄ FW 418.40

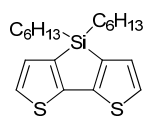
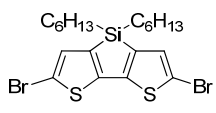
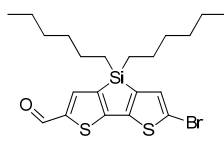
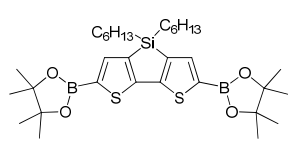
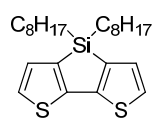
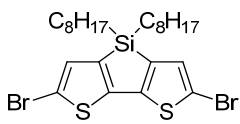
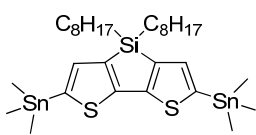
<i>N,N'</i>-Bis(pentan-3-yl)-3,4,9,10-perylene diimide	
CAT# IN1215	
	CAS# [110590-81-3] Formula C ₃₄ H ₃₂ N ₂ O ₄ FW 530.61
2,9-Bis(3-(dimethylamino)propyl)anthra[2,1,9-<i>def</i>:6,5,10-<i>d'e'f'</i>]diisoquinoline-1,3,8,10(2<i>H</i>,9<i>H</i>)-tetraone	
PDIN	
CAT# IN1279	
	CAS# [117901-97-0] Formula C ₃₄ H ₃₂ N ₄ O ₄ FW 560.64
3,3'-(1,3,8,10-Tetraoxanthra[2,1,9-<i>def</i>:6,5,10-<i>d'e'f'</i>]diisoquinoline-2,9(1<i>H</i>,3<i>H</i>,8<i>H</i>,10<i>H</i>)-diyl)bis(<i>N,N</i>-dimethylpropan-1-amine oxide)	
PDINO	
CAT# IN1277	
	CAS# [1558023-86-1] Formula C ₃₄ H ₃₂ N ₄ O ₆ FW 592.64
5,12-Dibromo-2,9-bis(3-(dimethylamino)propyl)anthra[2,1,9-<i>def</i>:6,5,10-<i>d'e'f'</i>]diisoquinoline-1,3,8,10(2<i>H</i>,9<i>H</i>)-tetraone	
CAT# IN1289	
	CAS# Formula C ₃₄ H ₃₀ Br ₂ N ₄ O ₄ FW 718.43
PBDI	
CAT# PBDI	
	CAS# [1535171-00-6] Formula FW
1,7-Dibromoperylene-3,4:9,10-tetracarboxylic acid dianhydride	
CAT# IN1211	
	CAS# [118129-60-5] Formula C ₂₄ H ₆ Br ₂ O ₆ FW 550.11
<i>N,N'</i>-bis(2-ethylhexyl)-1,7-dibromo-3,4,9,10-perylene tetracarboxylic diimide	
CAT# IN1212	
	CAS# [851786-15-7] Formula C ₄₀ H ₄₀ Br ₂ N ₂ O ₄ FW 772.56

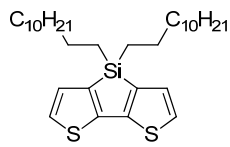
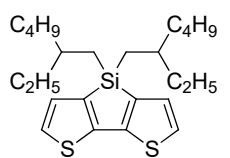
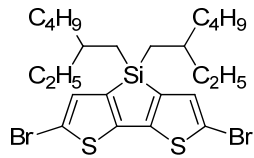
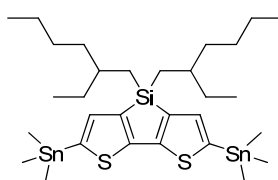
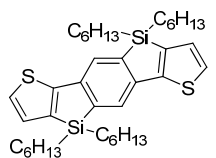
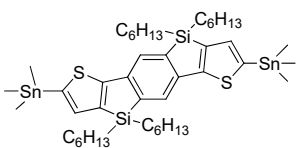
5-Bromo-2,9-bis(2-ethylhexyl)-12-(2-methoxyethoxy)anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetraone	
CAT# IN1280	
	CAS# Formula FW C ₄₃ H ₄₇ BrN ₂ O ₆ 767.75
5-Bromo-12-butoxy-2,9-bis(2-ethylhexyl)anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetraone	
CAT# IN1281	
	CAS# Formula FW [1356240-65-7] C ₄₄ H ₄₉ BrN ₂ O ₅ 765.77
5,12-Dibromo-2,9-bis(2-decyltetradecyl)anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetraone	
CAT# IN1213	
	CAS# Formula FW [909019-78-9] C ₇₂ H ₁₀₄ Br ₂ N ₂ O ₄ 1221.42
2,9-Bis(2-hexyldecyl)anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetraone	
CAT# IN1885	
	CAS# Formula FW [1331760-59-8] C ₉₆ H ₇₄ N ₂ O ₄ 839.20
5,12-Dibromo-2,9-bis(2-hexyldecyl)anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetraone	
CAT# IN1285	
	CAS# Formula FW [2733830-29-8] C ₉₆ H ₇₂ Br ₂ N ₂ O ₄ 996.99
5,12-Dibromo-2,9-bis(2-octyldecyl)anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetraone	
CAT# IN1283	
	CAS# Formula FW [1100243-37-5] C ₆₄ H ₈₈ Br ₂ N ₂ O ₄ 1109.20

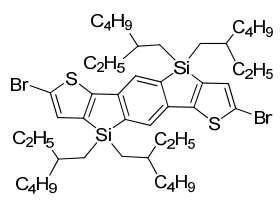
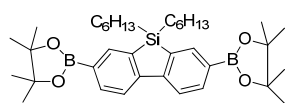
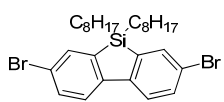
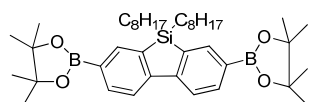
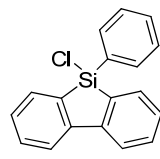
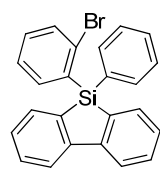
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CAT# IN1284	
	CAS# Formula FW [209111-67-1] C ₄₀ H ₄₀ Br ₂ N ₂ O ₄ 772.56
4,4'-(5,6,12,13-Tetrachloro-1,3,8,10-tetraoxoanthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-2,9(1H,3H,8H,10H)-diyl)dibenzoic acid	
CAT# IN1887	
	CAS# Formula FW [1103906-42-8] C ₃₈ H ₁₄ Cl ₄ N ₂ O ₈ 768.34
2,9-Diphenylantra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetraone	
CAT# IN1892	
	CAS# Formula FW [128-65-4] C ₃₆ H ₁₈ N ₂ O ₄ 542.54
Monomer-Phthalimide Series	
N-Octyl-phthalimide	
CAT# IN1028	
	CAS# Formula FW [59333-62-9] C ₁₆ H ₂₁ NO ₂ 259.34
N-Octyl-3,6-dibromophthalimide	
CAT# IN1036	
	CAS# Formula FW [1362255-33-1] C ₁₆ H ₁₉ Br ₂ NO ₂ 417.14
3,6-Dibromo-N-(2-ethylhexyl)phthalimide	
CAT# IN1424	
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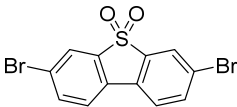
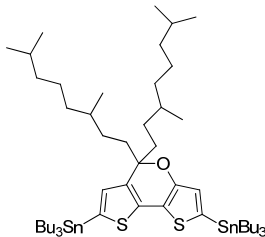
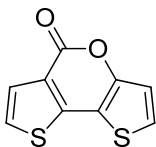
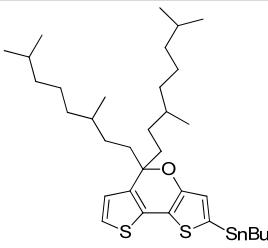
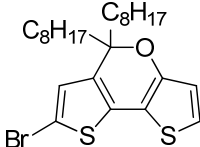
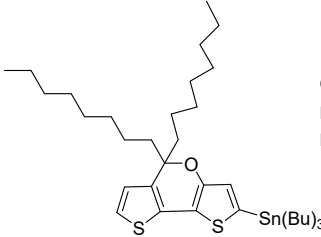
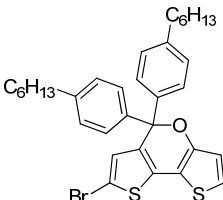
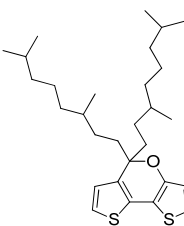
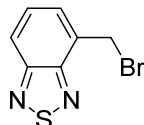
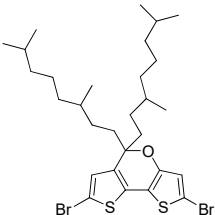
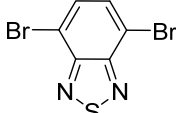
4,7-Dibromo-2-(2-hexyloctyl)isoindoline-1,3-dione	
CAT# IN1426	
	CAS# Formula $C_{22}H_{31}Br_2NO_2$ FW 501.30
4,7-Dibromo-2-(2-hexyldecyl)isoindoline-1,3-dione	
CAT# IN1427	
	CAS# [1612792-27-4] Formula $C_{24}H_{35}Br_2NO_2$ FW 529.35
3,6-Bis(thieno-2-yl)-N-(2-ethylhexyl)phthalimide	
CAT# IN1425	
	CAS# Formula $C_{24}H_{25}NO_2S_2$ FW 423.59
3,6-Bis(thieno-2-yl)-N-(2-octyldecyl)phthalimide	
CAT# IN1428	
	CAS# Formula $C_{36}H_{49}NO_2S_2$ FW 591.91
(2-Hexyl-1,3-dioxoisindoline-4,7-diyl)diboronic acid	
CAT# IN1432	
	CAS# Formula $C_{14}H_{19}B_2NO_6$ FW 318.93
(2-Octyl-1,3-dioxoisindoline-4,7-diyl)diboronic acid	
CAT# IN1433	
	CAS# Formula $C_{16}H_{23}B_2NO_6$ FW 346.98

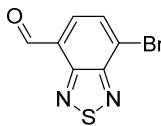
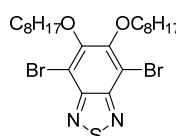
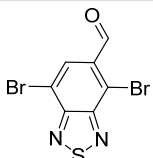
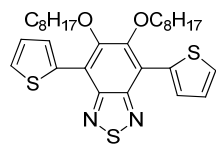
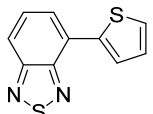
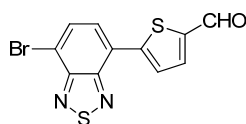
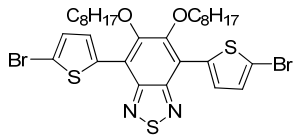
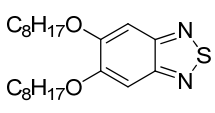
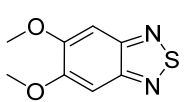
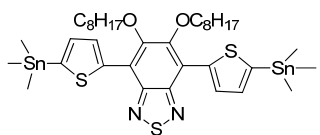
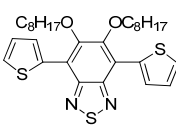
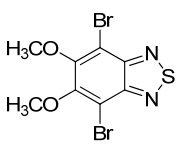
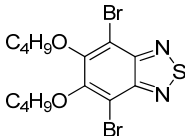
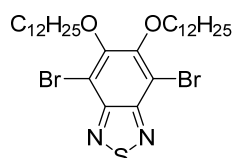
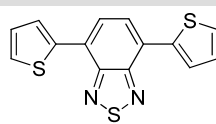
Monomer-Silole (DTS) Series

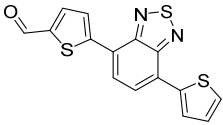
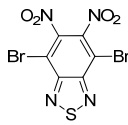
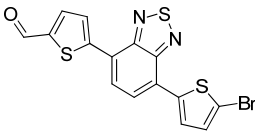
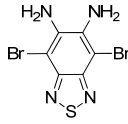
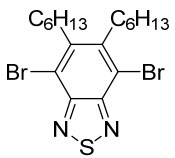
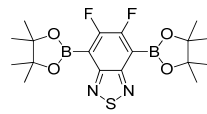
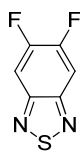
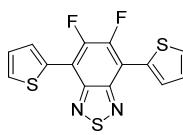
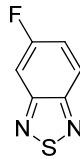
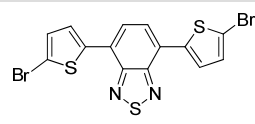
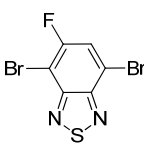
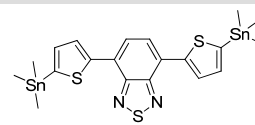
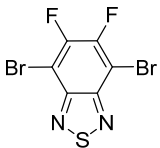
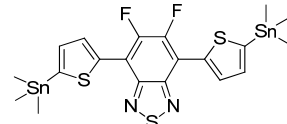
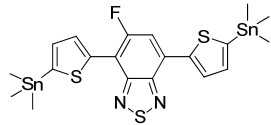
4,4-Dihexyl-4H-silolo[3,2-b:4,5-b']dithiophene	
CAT# IN1874	
	CAS# [906372-08-5] Formula $C_{20}H_{30}S_2Si$ FW 362.67
2,6-Dibromo-4,4-dihexyl-4H-silolo[3,2-b:4,5-b']dithiophene	
CAT# IN1251	
	CAS# [188690-66-6] Formula $C_{20}H_{28}Br_2S_2Si$ FW 520.46
6-Bromo-4,4-dihexyl-4H-silolo[3,2-b:4,5-b']dithiophene-2-carbaldehyde	
CAT# IN1884	
	CAS# [1192035-50-9] Formula $C_{21}H_{28}BrOS_2Si$ FW 469.57
4,4-Dihexyl-2,6-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-4H-silolo[3,2-b:4,5-b']dithiophene	
CAT# IN1875	
	CAS# [1445594-20-6] Formula $C_{32}H_{52}B_2O_4S_2Si$ FW 614.59
4,4'-Bis(octyl)-dithieno[3,2-b:2',3'-d']silole	
CAT# IN1046	
	CAS# [1160106-12-6] Formula $C_{24}H_{38}S_2Si$ FW 418.77
4,4'-Bis(octyl)-5,5'-dibromo-dithieno[3,2-b:2',3'-d']silole	
CAT# IN1256	
	CAS# [1160106-14-8] Formula $C_{24}H_{36}Br_2S_2Si$ FW 576.57
4,4'-Bis(octyl)-5,5'-bis(trimethyltin)-dithieno[3,2-b:2',3'-d']silole	
CAT# IN1257	
	CAS# [1160106-15-9] Formula $C_{30}H_{54}S_2SiSn_2$ FW 744.39

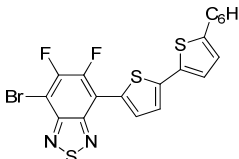
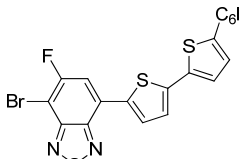
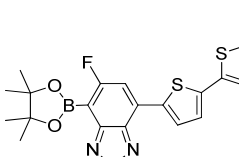
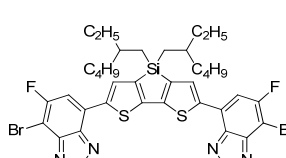
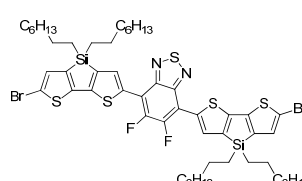
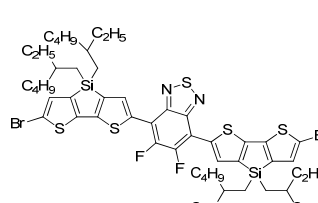
4,4-Didodecyl-4<i>H</i>-silolo[3,2-<i>b</i>:4,5-<i>b'</i>]dithiophene	
CAT# IN1271	
	CAS# [1500083-25-9] Formula C ₃₂ H ₅₄ S ₂ Si FW 530.99
4,4'-Bis(2-ethyl-hexyl)-dithieno[3,2-<i>b</i>:2',3'-<i>d'</i>]silole	
CAT# IN1253	
	CAS# [1207627-85-7] Formula C ₂₄ H ₃₆ S ₂ Si FW 418.77
4,4'-Bis(2-ethyl-hexyl)-5,5'-dibromo-dithieno[3,2-<i>b</i>:2',3'-<i>d'</i>]silole	
CAT# IN1254	
	CAS# [1089687-05-7] Formula C ₂₄ H ₃₆ Br ₂ S ₂ Si FW 576.57
4,4'-Bis(2-ethyl-hexyl)-5,5'-bis(trimethyltin)-dithieno[3,2-<i>b</i>:2',3'-<i>d'</i>]silole	
CAT# IN1255	
	CAS# [1089687-06-8] Formula C ₃₀ H ₅₄ S ₂ SiSn ₂ FW 744.39
Benzo[1,2-<i>b</i>:4,5-<i>b'</i>]bis(4,4'-dihexyl-4<i>H</i>-silolo[3,2-<i>b</i>]thiophene)	
CAT# IN1460	
	CAS# [2375815-04-4] Formula C ₃₈ H ₅₈ S ₂ Si ₂ FW 635.18
2,7-Bis(trimethylstannyl)-benzo[1,2-<i>b</i>:4,5-<i>b'</i>]bis(4,4'-dihexyl-4<i>H</i>-silolo[3,2-<i>b</i>]thiophene)	
CAT# IN1503	
	CAS# [1569453-45-7] Formula C ₄₄ H ₇₄ S ₂ Si ₂ Sn ₂ FW 960.78

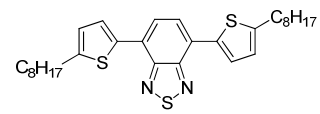
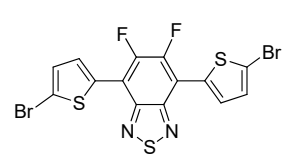
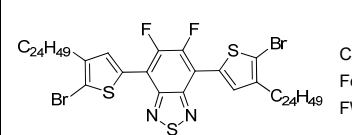
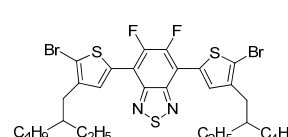
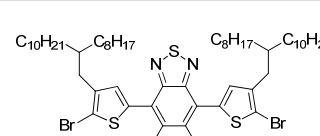
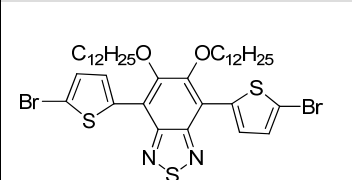
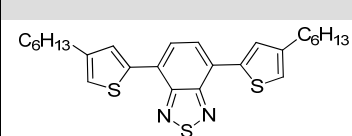
2,7-Dibromo-benzo[1,2-<i>b</i>:4,5-<i>b'</i>]bis(4,4'-diethylhexyl-4<i>H</i>-silolo[3,2-<i>b</i>]thiophene)	
CAT# IN1544	
	CAS# [1217503-11-1] Formula C ₄₆ H ₇₂ Br ₂ S ₂ Si ₂ FW 905.17
5,5-Dihexyl-3,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-5<i>H</i>-dibenzo[<i>b</i>,<i>d'</i>]silole	
CAT# IN1434	
	CAS# [852138-91-1] Formula C ₃₆ H ₅₆ B ₂ O ₄ Si FW 602.53
3,7-Dibromo-5,5-dioctyl-5<i>H</i>-dibenzo[<i>b</i>,<i>d'</i>]silole	
CAT# IN1453	
	CAS# [891182-24-4] Formula C ₂₈ H ₄₀ Br ₂ Si FW 564.51
5,5-Dioctyl-3,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-5<i>H</i>-dibenzo[<i>b</i>,<i>d'</i>]silole	
CAT# IN1454	
	CAS# [958293-23-7] Formula C ₄₀ H ₆₄ B ₂ O ₄ Si FW 658.64
5-Chloro-5-phenyl-5<i>H</i>-dibenzo[<i>b</i>,<i>d'</i>]silole	
CAT# IN1437	
	CAS# [18766-52-4] Formula C ₁₈ H ₁₃ ClSi FW 292.83
5-(2-Bromophenyl)-5-phenyl-5<i>H</i>-dibenzo[<i>b</i>,<i>d'</i>]silole	
CAT# IN1439	
	CAS# / Formula C ₂₄ H ₁₇ BrSi FW 413.38

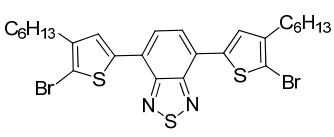
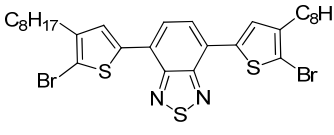
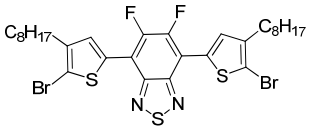
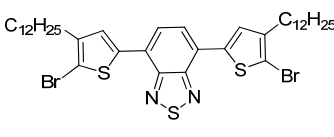
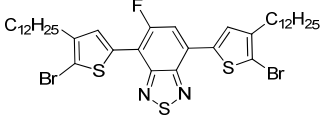
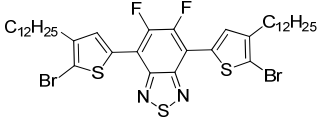
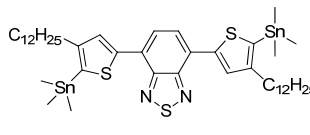
3,7-Dibromodibenzo[b,d]thiophene 5,5-dioxide		(5,5-Bis(3,7-dimethyloctyl)-5H-dithieno[3,2-b:2',3'-d]pyran-2,7-diyl)bis(tributylstannane)	
CAT# IN2029		CAT# IN1510	
	CAS# [83834-12-2] Formula C ₁₂ H ₆ Br ₂ O ₂ S FW 374.05		CAS# [1295502-52-1] Formula C ₅₃ H ₉₈ OS ₂ Sn ₂ FW 1052.89
Monomer-DTPO Series			
5H-dithieno[3,2-b:2',3'-d]pyran-5-one		(5,5-Bis(3,7-dimethyloctyl)-5H-dithieno[3,2-b:2',3'-d]pyran-2-yl)tributylstannane	
CAT# IN1507		CAT# IN1511	
	CAS# [1295502-12-3] Formula C ₉ H ₄ O ₂ S ₂ FW 208.26		CAS# Formula C ₄₁ H ₇₂ OS ₂ Sn FW 763.85
7-Bromo-5,5-dioctyl-5H-dithieno[3,2-b:2',3'-d]pyran		Tributyl(5,5-dioctyl-5H-dithieno[3,2-b:2',3'-d]pyran-2-yl)stannane	
CAT# IN1810		CAT# IN1551	
	CAS# Formula C ₂₅ H ₃₇ BrOS ₂ FW 497.59		CAS# Formula C ₃₇ H ₆₄ OS ₂ Sn FW 707.74
7-Bromo-5,5-bis(4-hexylphenyl)-5H-dithieno[3,2-b:2',3'-d]pyran		Monomer-Benzo-thiadiazole (BT) Series	
CAT# IN1811		4-Bromobenzo[c][1,2,5]thiadiazole	
	CAS# Formula C ₃₃ H ₃₇ BrOS ₂ FW 593.68	CAT# IN1447	
5,5-Bis(3,7-dimethyloctyl)-5H-dithieno[3,2-b:2',3'-d]pyran		4-(Bromomethyl)benzo[c][1,2,5]thiadiazole	
CAT# IN1508		CAT# IN2447	
	CAS# [1295502-20-3] Formula C ₂₉ H ₄₆ OS ₂ FW 474.80		CAS# [16405-99-5] Formula C ₇ H ₅ BrN ₂ S FW 229.10
2,7-Dibromo-5,5-bis(3,7-dimethyloctyl)-5H-dithieno[3,2-b:2',3'-d]pyran		4,7-Dibromobenzo[c][1,2,5]thiadiazole	
CAT# IN1509		CAT# IN1006	
	CAS# Formula C ₂₉ H ₄₄ Br ₂ OS ₂ FW 632.60		CAS# [15155-41-6] Formula C ₆ H ₂ Br ₂ N ₂ S FW 293.97

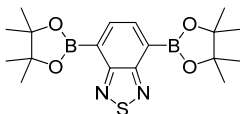
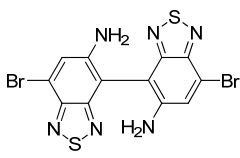
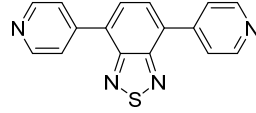
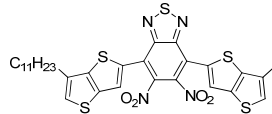
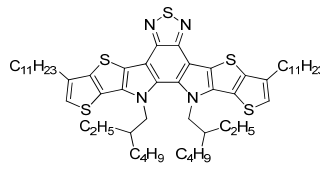
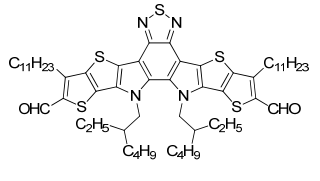
7-Bromobenzo[c][1,2,5]thiadiazole-4-carbaldehyde CAT# IN1446  CAS# [1071224-34-4] Formula C₇H₃BrN₂OS FW 243.08	4,7-Dibromo-5,6-bis(octyloxy)benzo-2,1,3-thiadiazole CAT# IN1038  CAS# [1192352-08-1] Formula C₂₂H₃₄Br₂N₂O₂S FW 550.39
4,7-Dibromobenzo[c][1,2,5]thiadiazole-5-carbaldehyde CAT# IN1901  CAS# [1628918-63-7] Formula C₇H₂Br₂N₂OS FW 321.98	5,6-Bis(octyloxy)-4,7-di(thiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1039  CAS# [1192352-09-2] Formula C₃₀H₄₀N₂O₂S₃ FW 556.85
4-(Thiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN2046  CAS# [212117-52-7] Formula C₁₀H₆N₂S₂ FW 218.29	4,7-Bis(5-bromothiophen-2-yl)5,6-bis(octyloxy)benzo-2,1,3-thiadiazole CAT# IN1429
5-(7-Bromobenzo[c][1,2,5]thiadiazol-4-yl)thiophene-2-carbaldehyde CAT# IN1546  CAS# [1309922-61-9] Formula C₁₁H₅BrN₂OS₂ FW 325.20	 CAS# [1192352-10-5] Formula C₃₀H₃₈Br₂N₂O₂S₃ FW 714.64
5,6-Bis(octyloxy)benzo-2,1,3-thiadiazole CAT# IN1037  CAS# [1254353-37-1] Formula C₂₂H₃₆N₂O₂S FW 392.60	5,6-Bis(octyloxy)-4,7-bis(5-(trimethylstannyl)thiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1430
5,6-Dimethoxybenzo[c][1,2,5]thiadiazole CAT# IN1939  CAS# [1254353-35-9] Formula C₈H₈N₂O₂S FW 196.22	 CAS# [1642803-98-2] Formula C₃₆H₅₈N₂O₂S₃Sn₂ FW 882.46
4,7-Dibromo-5,6-dimethoxybenzo[c][1,2,5]thiadiazole CAT# IN1699	Methyl 4-(5-(5,6-bis(octyloxy)-7-(thiophen-2-yl)benzo[c][1,2,5]thiadiazol-4-yl)thiophen-2-yl)benzoate CAT# IN1431  CAS# Formula C₃₈H₄₆N₂O₄S₃ FW 690.98
 CAS# [1415601-55-6] Formula C₈H₆Br₂N₂O₂S FW 354.02	4,7-Dibromo-5,6-bis(dodecyloxy)benzo[c][1,2,5]thiadiazole CAT# IN1198
4,7-Dibromo-5,6-dibutoxybenzo[c][1,2,5]thiadiazole CAT# IN1701  CAS# [1973413-17-0] Formula C₁₄H₁₈Br₂N₂O₂S FW 438.18	 CAS# [1313876-00-4] Formula C₃₀H₅₀Br₂N₂O₂S FW 662.60
	4,7-Di(thiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1079  CAS# [165190-76-1] Formula C₁₄H₈N₂S₃ FW 300.42

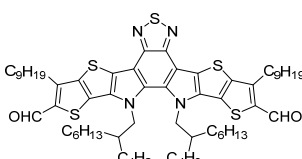
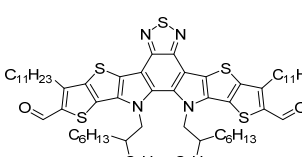
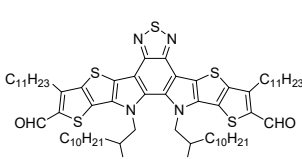
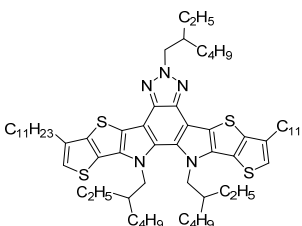
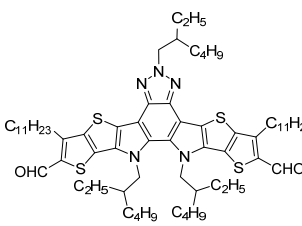
5-(7-(Thiophen-2-yl)benzo[c][1,2,5]thiadiazol-4-yl)thiophene-2-carbaldehyde CAT# IN1845	4,7-Dibromo-5,6-dinitrobenzo[c][1,2,5]thiadiazole CAT# IN1293
 CAS# [1042440-26-5] Formula C₁₅H₈N₂OS₃ FW 328.43	 CAS# [76186-72-6] Formula C₆Br₂N₄O₄S FW 383.96
5-(7-(5-Bromothiophen-2-yl)benzo[c][1,2,5]thiadiazol-4-yl)thiophene-2-carbaldehyde CAT# IN1849	4,7-Dibromobenzo[c][1,2,5]thiadiazole-5,6-diamine CAT# IN1298
 CAS# [1315507-67-5] Formula C₁₅H₇BrN₂OS₃ FW 407.33	 CAS# [141215-32-9] Formula C₆H₄Br₂N₄S FW 324.00
4,7-Dibromo-5,6-dihexylbenzo[c][1,2,5]thiadiazole CAT# IN1680	5,6-Difluoro-4,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1590
 CAS# [1295502-63-4] Formula C₁₈H₂₆Br₂N₂S FW 462.29	 CAS# [1295502-63-4] Formula C₁₈H₂₆B₂F₂N₂O₄S FW 424.08
5,6-Difluorobenzo[c][1,2,5]thiadiazole CAT# IN1308	5,6-difluoro-4,7-di(thiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1097
 CAS# [1293389-28-2] Formula C₆H₂F₂N₂S FW 172.16	 CAS# [1304773-88-3] Formula C₁₄H₆F₂N₂S₃ FW 336.40
5-Fluorobenzo[c][1,2,5]thiadiazole CAT# IN1422	4,7-Bis(2-bromo-5-thienyl)-2,1,3-benzothiadiazole CAT# IN1069
 CAS# [17821-75-9] Formula C₆H₃FN₂S FW 154.16	 CAS# [288071-87-4] Formula C₁₄H₆Br₂N₂S₃ FW 458.21
4,7-Dibromo-5-fluorobenzo[c][1,2,5]thiadiazole CAT# IN1092	4,7-Bis(5-(trimethylstannyl)thiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1195
 CAS# [1347736-74-6] Formula C₆HBr₂FN₂S FW 311.96	 CAS# [1025451-57-3] Formula C₂₀H₂₄N₂S₃Sn₂ FW 626.03
5,6-Difluoro-4,7-dibromobenzo[c][1,2,5]thiadiazole CAT# IN1098	5,6-Difluoro-4,7-bis(5-(trimethylstannyl)thiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1597
 CAS# [1295502-53-2] Formula C₆Br₂F₂N₂S FW 329.95	 CAS# [1421762-30-2] Formula C₂₀H₂₂F₂N₂S₃Sn₂ FW 662.01
	5-Fluoro-4,7-bis(5-(trimethylstannyl)thiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1600
	 CAS# [1611002-56-2] Formula C₂₀H₂₃FN₂S₃Sn₂ FW 644.02

4-Bromo-5,6-difluoro-7-(5'-hexyl-[2,2'-bithiophen]-5-yl)benzo[c][1,2,5]thiadiazole	
CAT# IN1599	
	CAS# [1774364-87-2] Formula $C_{20}H_{17}BrF_2N_2S_3$ FW 499.46
4-Bromo-5-fluoro-7-(5'-hexyl-[2,2'-bithiophen]-5-yl)benzo[c][1,2,5]thiadiazole	
CAT# IN1560	
	CAS# [1402460-83-6] Formula $C_{20}H_{18}BrFN_2S_3$ FW 481.47
5-Fluoro-7-(5'-hexyl-[2,2'-bithiophen]-5-yl)-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)benzo[c][1,2,5]thiadiazole	
CAT# IN1563	
	CAS# / Formula $C_{28}H_{30}BFN_2O_2S_3$ FW 528.53
7,7'-(4,4-Bis(2-ethylhexyl)-4H-silolo[3,2-b:4,5-b']dithiophene-2,6-diyl)bis(4-bromo-5-fluorobenzo[c][1,2,5]thiadiazole)	
CAT# IN1562	
	CAS# Formula $C_{36}H_{38}Br_2F_2N_4S_4Si$ FW 880.86
4,7-Bis(6-bromo-4,4-dioctyl-4H-silolo[3,2-b:4,5-b']dithiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole	
CAT# IN1567	
	CAS# Formula $C_{64}H_{72}Br_2F_2N_2S_5Si_2$ FW 1163.46
4,7-Bis(6-bromo-4,4-bis(2-ethylhexyl)-4H-silolo[3,2-b:4,5-b']dithiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole	
CAT# IN1569	
	CAS# [1432791-00-8] Formula $C_{54}H_{72}Br_2F_2N_2S_5Si_2$ FW 1163.46

4,7-Bis(5-octylthiophen-2-yl)benzo[c][1,2,5]thiadiazole	
CAT# IN1196	
	CAS# [1171974-28-9] Formula $C_{30}H_{40}N_2S_3$ FW 524.85
4,7-Bis(5-bromothiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole	
CAT# IN1197	
	CAS# [1304773-89-4] Formula $C_{14}H_4Br_2F_2N_2S_3$ FW 494.19
4,7-Bis(5-bromo-4-(2-tetracosyl)thiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole	
CAT# IN1564	
	CAS# / Formula $C_{62}H_{100}Br_2F_2N_2S_3$ FW 1167.47
4,7-Bis(5-bromo-4-(2-ethylhexyl)thiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole	
CAT# IN1565	
	CAS# [1293389-31-7] Formula $C_{30}H_{36}Br_2F_2N_2S_3$ FW 718.62
4,7-Bis(5-bromo-4-(2-octyldodecyl)thiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole	
CAT# IN1566	
	CAS# [1504626-07-6] Formula $C_{54}H_{84}Br_2F_2N_2S_3$ FW 1055.26
4,7-Bis(5-bromothiophen-2-yl)-5,6-bis(dodecyloxy)benzo[c][1,2,5]thiadiazole	
CAT# IN1199	
	CAS# [1334686-71-3] Formula $C_{38}H_{54}Br_2N_2O_2S_3$ FW 826.85
4,7-Bis(4-hexylthiophen-2-yl)benzo[c][1,2,5]thiadiazole	
CAT# IN1249	
	CAS# [761416-46-0] Formula $C_{26}H_{32}N_2S_3$ FW 468.74

4,7-Bis(5-bromo-4-hexylthiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1244	
	CAS# [444579-39-9] Formula $C_{26}H_{30}Br_2N_2S_3$ FW 626.53
4,7-Bis(5-bromo-4-octylthiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1245	
	CAS# [457931-23-6] Formula $C_{30}H_{38}Br_2N_2S_3$ FW 682.64
4,7-Bis(5-bromo-4-octylthiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole CAT# IN1246	
	CAS# [1283598-36-6] Formula $C_{30}H_{36}Br_2F_2N_2S_3$ FW 718.62
4,7-Bis(5-bromo-4-dodecylthiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1243	
	CAS# [1179993-72-6] Formula $C_{38}H_{54}Br_2N_2S_3$ FW 794.85
4,7-Bis(5-bromo-4-dodecylthiophen-2-yl)-5-fluorobenzo[c][1,2,5]thiadiazole CAT# IN1605	
	CAS# [1373834-93-5] Formula $C_{38}H_{53}Br_2FN_2S_3$ FW 812.84
4,7-Bis(5-bromo-4-dodecylthiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole CAT# IN1606	
	CAS# [1373834-88-8] Formula $C_{38}H_{52}Br_2F_2N_2S_3$ FW 830.83
4,7-Bis(4-dodecyl-5-(trimethylstannyl)thiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1568	
	CAS# Formula $C_{44}H_{72}N_2S_3Sn_2$ FW 962.67

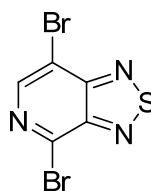
4,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-2,1,3-benzothiadiazole CAT# IN1348	
	CAS# [934365-16-9] Formula $C_{18}H_{26}B_2N_2O_4S$ FW 388.10
7,7'-Dibromo-4,4'-bibenzo[c][1,2,5]thiadiazole-5,5'-diamine CAT# IN1349	
	CAS# Formula $C_{12}H_6Br_2N_6S_2$ FW 458.15
4,7-Di(pyridin-4-yl)benzo[c][1,2,5]thiadiazole CAT# IN2060	
	CAS# [692259-93-1] Formula $C_{16}H_{10}N_4S$ FW 290.34
5,6-Dinitro-4,7-bis(6-undecylthieno[3,2-b]thiophen-2-yl)benzo[c][1,2,5]thiadiazole CAT# IN1948	
	CAS# [2304444-50-4] Formula $C_{56}H_{82}N_4S_5$ FW 971.60
12,13-Bis(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole CAT# IN1949	
	CAS# [2304444-52-6] Formula $C_{56}H_{82}N_4S_5$ FW 971.60
12,13-Bis(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3''':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-dicarbaldehyde CAT# IN1950	
	CAS# [2304444-53-7] Formula $C_{58}H_{82}N_4O_2S_5$ FW 1027.62

12,13-Bis(2-butyloctyl)-3,9-dinonyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3'':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-dicarbaldehyde			
CAT# IN1952			
	CAS#	C ₆₂ H ₉₀ N ₄ O ₂ S ₅	
	Formula	1083.73	
	FW		
12,13-Bis(2-butyloctyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3'':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-dicarbaldehyde			
CAT# IN2094			
	CAS#	[2389125-24-8]	
	Formula	C ₆₆ H ₉₈ N ₄ O ₂ S ₅	
	FW	1139.84	
12,13-Bis(2-octyldodecyl)-3,9-diundecyl-12,13-dihydro-[1,2,5]thiadiazolo[3,4-e]thieno[2'',3'':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-dicarbaldehyde			
CAT# IN1953			
	CAS#	[2599837-57-5]	
	Formula	C ₈₂ H ₁₃₀ N ₄ O ₂ S ₅	
	FW	1364.26	
6,12,13-Tris(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-6H-thieno[2'',3'':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b][1,2,3]triazolo[4,5-e]indole			
CAT# IN1956			
	CAS#	[2410945-62-7]	
	Formula	C ₆₄ H ₉₉ N ₅ S ₄	
	FW	1066.76	
6,12,13-Tris(2-ethylhexyl)-3,9-diundecyl-12,13-dihydro-6H-thieno[2'',3'':4',5']thieno[2',3':4,5]pyrrolo[3,2-g]thieno[2',3':4,5]thieno[3,2-b][1,2,3]triazolo[4,5-e]indole-2,10-dicarbaldehyde			
CAT# IN1957			
	CAS#	[2410945-63-8]	
	Formula	C ₆₆ H ₉₉ N ₅ O ₂ S ₄	
	FW	1122.79	

Monomer-Thiadiazolopyridine (TP) Series

4,7-Dibromo-[1,2,5]thiadiazolo[3,4-c]pyridine

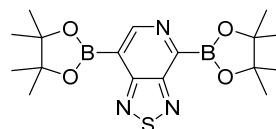
CAT# IN1202



CAS# [333432-27-2]
Formula C₅HBr₂N₃S
FW 294.95

4,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-[1,2,5]thiadiazolo[3,4-c]pyridine

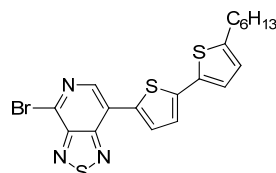
CAT# IN1672



CAS# [1883586-01-3]
Formula C₁₇H₂₅B₂N₃O₄S
FW 389.09

4-Bromo-7-(5'-hexyl-[2,2'-bithiophen]-5-yl)-[1,2,5]thiadiazolo[3,4-c]pyridine

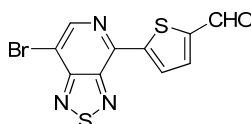
CAT# IN1561



CAS# [1361034-02-7]
Formula C₁₉H₁₆BrN₃S₃
FW 464.47

5-(7-Bromo-[1,2,5]thiadiazolo[3,4-c]pyridin-4-yl)thiophene-2-carbaldehyde

CAT# IN1549

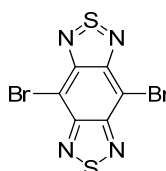


CAS# [1531590-87-0]
Formula C₁₀H₄BrN₃OS₂
FW 326.19

Monomer-Benzobisthiadiazole (BBT) Series

4,8-Dibromo-benzo[1,2-c;4,5-c']bis[1,2,5]thiadiazole

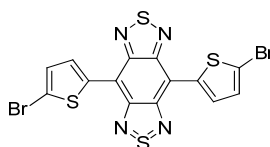
CAT# IN1201



CAS# [165617-59-4]
Formula C₆Br₂N₄S₂
FW 352.03

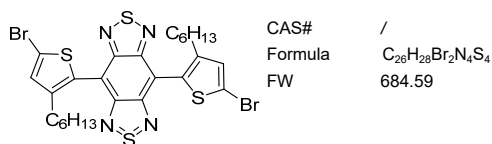
4,8-Bis(5-bromo-thiophen-2-yl)benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole

CAT# IN2120

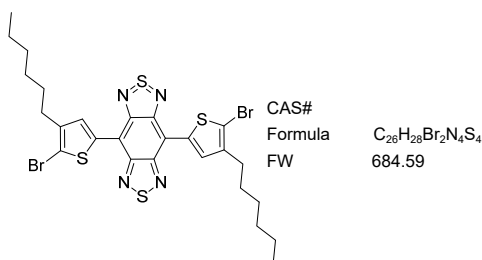


CAS# [886746-58-3]
Formula C₁₄H₄Br₂N₄S₄
FW 516.26

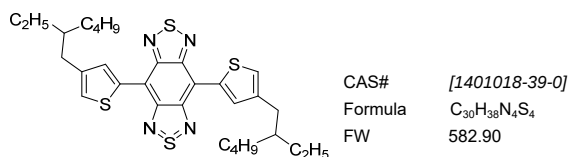
4,8-Bis(5-bromo-3-(2-hexyl)-2-thienyl)-2λ⁴σ²-benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole
CAT# IN2070



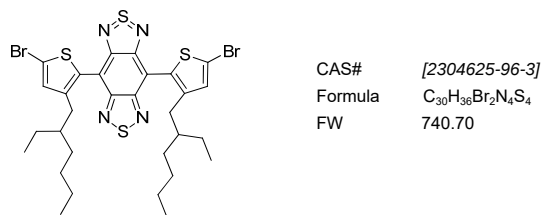
4,8-Bis(5-bromo-4-(2-hexyl)thiophen-2-yl)benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole
CAT# IN2071



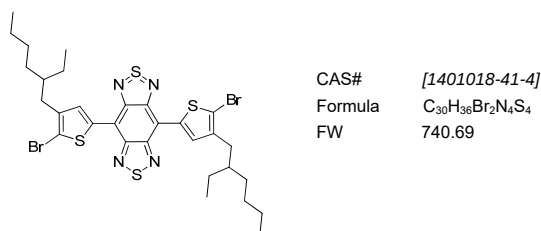
4,8-Bis(4-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole
CAT# IN2072



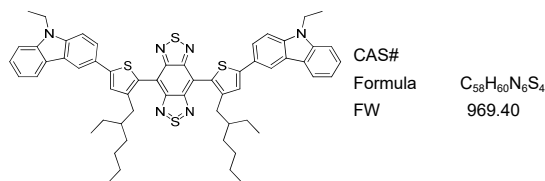
4,8-Bis(5-bromo-3-(2-ethylhexyl)-2-thienyl)-2λ⁴σ²-benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole
CAT# IN1572



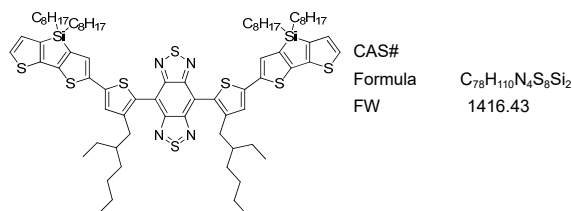
4,8-Bis(5-bromo-4-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole
CAT# IN2073



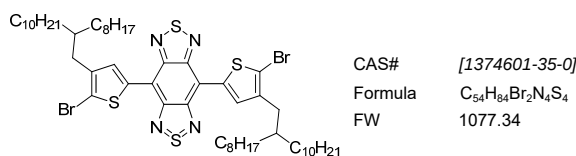
4,8-Bis(5-(9-ethyl-9H-carbazolyl)-3-(2-ethylhexyl)-2-thienyl)-2λ⁴σ²-benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole
CAT# IN2074



4,8-Bis(5-(4,4-dioctyl-4H-silolo[3,2-b:4,5-b']dithiophene-yl)-3-(2-ethylhexyl)-2-thienyl)-2λ⁴σ²-benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole
CAT# IN2075

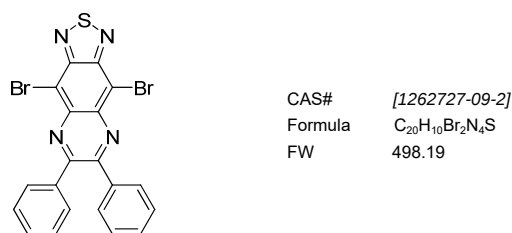


3,8-Bis(5-bromo-4-(2-octyldodecyl)thiophen-2-yl)-benzo[1,2-c:4,5-c']bis[1,2,5]thiadiazole
CAT# IN1573

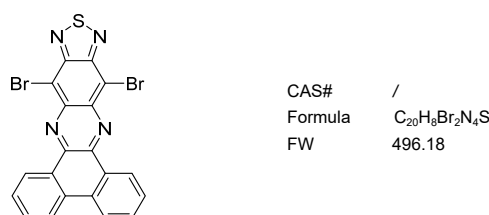


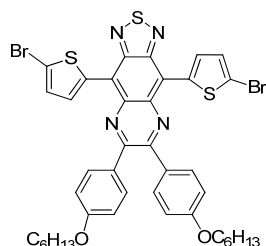
Monomer-DPTQ Series

4,9-Dibromo-6,7-diphenyl-[1,2,5]thiadiazolo[3,4-g]quinoxaline
CAT# IN1203

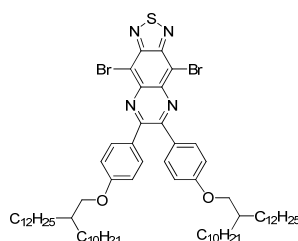


10,14-Dibromodibenzo[a,c][1,2,5]thiadiazolo[3,4-i]phenazine
CAT# IN2013

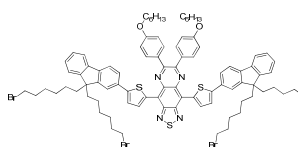


4,9-Bis-(5-bromo-thiophen-2-yl)-6,7-bis-(4-hexyloxy-phenyl)-2-thia-1,3,5,8-tetraaza-cyclopenta[b]naphthalene
CAT# IN1620


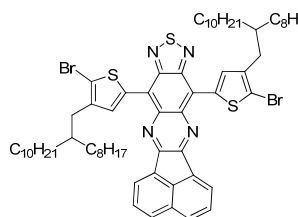
CAS# [1547443-69-5]
 Formula $C_{40}H_{38}Br_2N_4O_2S_3$
 FW 862.76

4,9-Dibromo-6,7-bis(4-((2-decyltetradecyl)oxy)phenyl)-[1,2,5]thiadiazolo[3,4-g]quinoxaline
CAT# IN1621


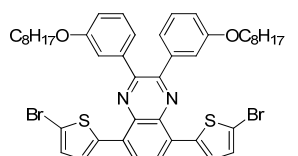
CAS# /
 Formula $C_{68}H_{106}Br_2N_4O_2S$
 FW 1203.47

4,9-Bis(5-(9,9-bis(6-bromohexyl)-9H-fluoren-2-yl)thiophen-2-yl)-6,7-bis(4-(hexyloxy)phenyl)-[1,2,5]thiadiazolo[3,4-g]quinoxaline
CAT# IN1787


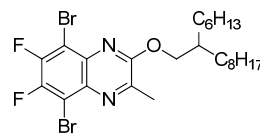
CAS# /
 Formula $C_{90}H_{100}Br_4N_4O_2S_3$
 FW 1685.59

8,12-Bis(5-bromo-4-(2-octyldodecyl)thiophen-2-yl)acenaphtho[1,2-b][1,2,5]thiadiazolo[3,4-g]quinoxaline
CAT# IN1623


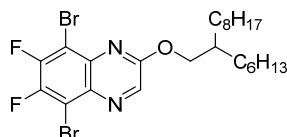
CAS# /
 Formula $C_{66}H_{90}Br_2N_4S_3$
 FW 1195.45

5,8-Bis(5-bromothiophen-2-yl)-2,3-bis(3-(octyloxy)phenyl)quinoxaline
CAT# IN1625


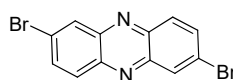
CAS# [1100761-34-9]
 Formula $C_{44}H_{48}Br_2N_4O_2S_2$
 FW 860.80

5,8-Dibromo-6,7-difluoro-2-((2-hexyldecyl)oxy)-3-methylquinoxaline
CAT# IN1803


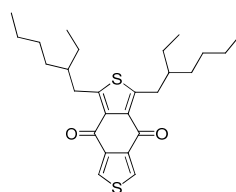
CAS# [2414359-15-0]
 Formula $C_{25}H_{36}Br_2F_2N_2O$
 FW 578.37

5,8-Dibromo-6,7-difluoro-2-((2-hexyldecyl)oxy)quinoxaline
CAT# IN1923


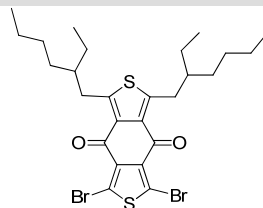
CAS# [2269476-12-0]
 Formula $C_{24}H_{34}Br_2F_2N_2O$
 FW 564.34

2,7-Dibromophenazine
CAT# IN1632


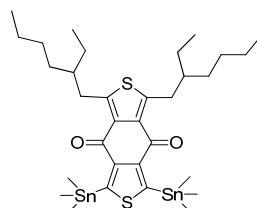
CAS# [36848-40-5]
 Formula $C_{12}H_6Br_2N_2$
 FW 338.00

Monomer-Benzodithiophene-dione (BDD) Series
1,3-Bis(2-ethylhexyl)benzo[1,2-c:4,5-c']dithiophene-4,8-dione
CAT# IN1650


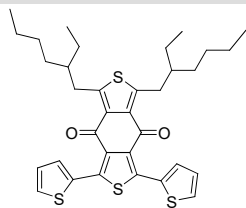
CAS# [2558203-27-1]
 Formula $C_{26}H_{36}O_2S_2$
 FW 444.69

1,3-Dibromo-5,7-bis(2-ethylhexyl)benzo[1,2-c:4,5-c']dithiophene-4,8-dione
CAT# IN1651


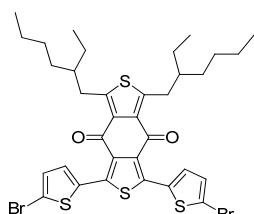
CAS# [1415929-76-8]
 Formula $C_{26}H_{34}Br_2O_2S_2$
 FW 602.48

1,3-Bis(2-ethylhexyl)-5,7-bis(trimethylstannyl)benzo[1,2-c:4,5-c']dithiophene-4,8-dione
CAT# IN1652


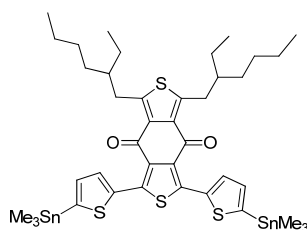
CAS# /
 Formula $C_{32}H_{52}O_2S_2Sn_2$
 FW 770.30

1,3-Bis(2-ethylhexyl)-5,7-di(thiophen-2-yl)benzo[1,2-c:4,5-c']dithiophene-4,8-dione
CAT# IN1657


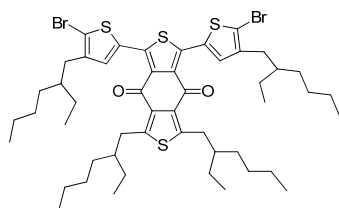
CAS# [1415929-77-9]
 Formula C₃₄H₄₀O₂S₄
 FW 608.94

1,3-Bis(5-bromothiophen-2-yl)-5,7-bis(2-ethylhexyl)benzo[1,2-c:4,5-c']dithiophene-4,8-dione
CAT# IN1653


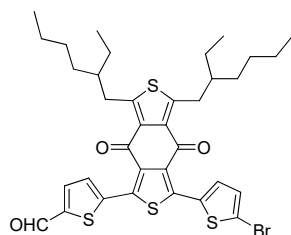
CAS# [1415929-78-0]
 Formula C₃₄H₃₈Br₂O₂S₄
 FW 766.73

1,3-Bis(2-ethylhexyl)-5,7-bis(5-(trimethylstannyl)thiophen-2-yl)benzo[1,2-c:4,5-c']dithiophene-4,8-dione
CAT# IN1654


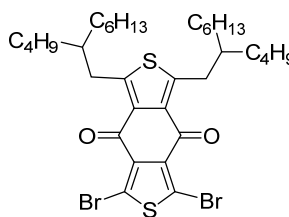
CAS# [2111948-40-2]
 Formula C₄₀H₅₆O₂S₄Sn₂
 FW 934.55

1,3-Bis(5-bromo-4-(2-ethylhexyl)thiophen-2-yl)-5,7-bis(2-ethylhexyl)benzo[1,2-c:4,5-c']dithiophene-4,8-dione
BDD CAT# IN1655


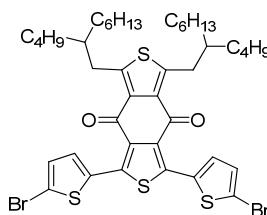
CAS# [1439937-07-1]
 Formula C₅₀H₇₀Br₂O₂S₄
 FW 991.16

5-(3-(5-Bromothiophen-2-yl)-5,7-bis(2-ethylhexyl)-4,8-dioxo-4,8-dihydrobenzo[1,2-c:4,5-c']dithiophen-1-yl)thiophene-2-carbaldehyde
CAT# IN1656


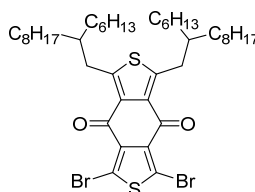
CAS# /
 Formula C₃₅H₃₉BrO₃S₄
 FW 715.85

1,3-Dibromo-5,7-bis(2-butyloctyl)benzo[1,2-c:4,5-c']dithiophene-4,8-dione
CAT# IN1659


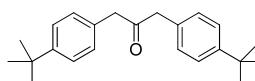
CAS# [2093197-88-5]
 Formula C₃₄H₅₀Br₂O₂S₂
 FW 714.70

1,3-Bis(5-bromothiophen-2-yl)-5,7-bis(2-butyloctyl)benzo[1,2-c:4,5-c']dithiophene-4,8-dione
CAT# IN1658


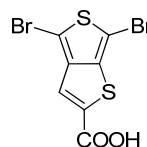
CAS# [2093197-75-0]
 Formula C₄₂H₅₄Br₂O₂S₄
 FW 878.94

1,3-Dibromo-5,7-bis-(2-hexyldecyl)-2,6-dithia-s-indacene-4,8-dione
HD-BDT-DB CAT# IN1663


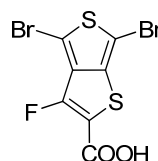
CAS# [2093197-87-4]
 Formula C₄₂H₆₆Br₂O₂S₂
 FW 826.91

1,3-Bis(4-(tert-butyl)phenyl)propan-2-one
CAT# IN1634


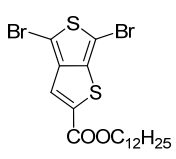
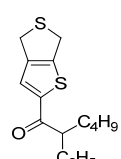
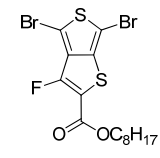
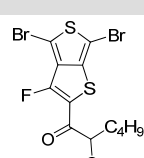
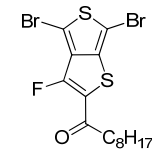
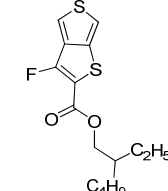
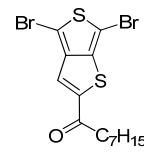
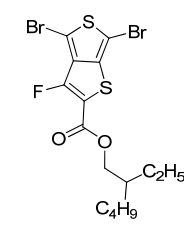
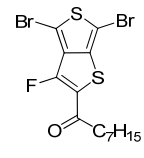
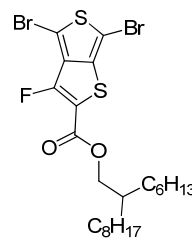
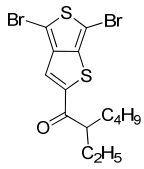
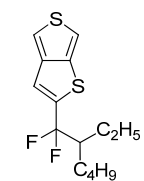
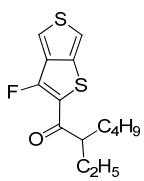
CAS# [64321-35-3]
 Formula C₂₃H₃₀O
 FW 322.48

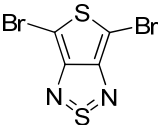
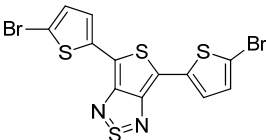
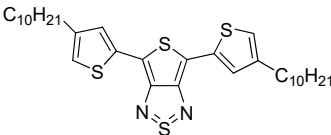
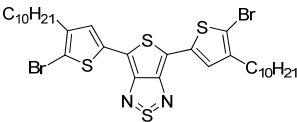
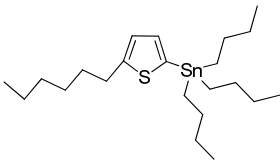
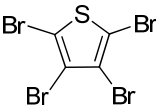
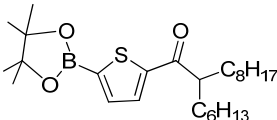
Monomer-Thiophene Series
4,6-Dibromo-thieno[3,4-b]thiophene-2-carboxylic acid
CAT# IN1014


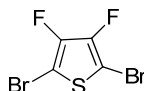
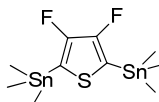
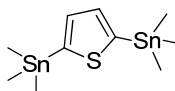
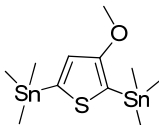
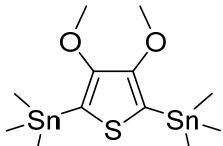
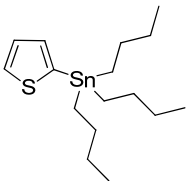
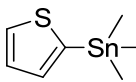
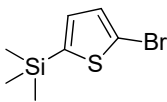
CAS# [1024594-86-2]
 Formula C₇H₂Br₂O₂S₂
 FW 342.03

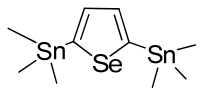
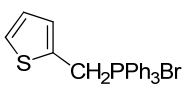
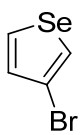
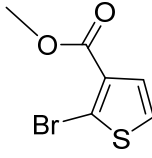
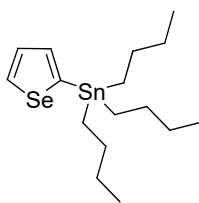
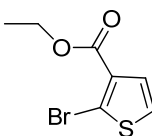
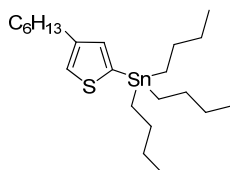
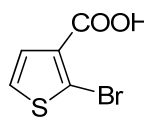
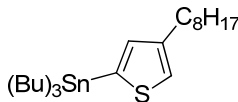
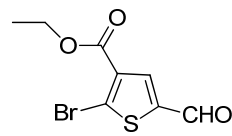
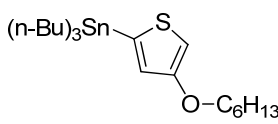
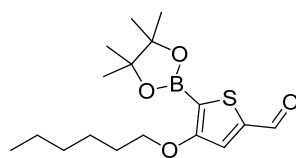
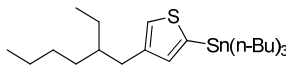
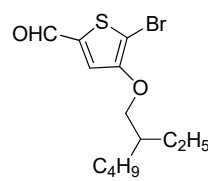
4,6-Dibromo-3-fluorothieno[3,4-b]thiophene-2-carboxylic acid
CAT# IN1019


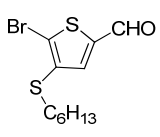
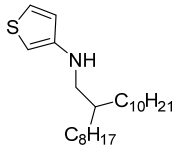
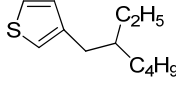
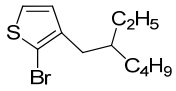
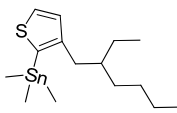
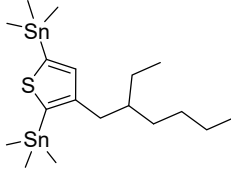
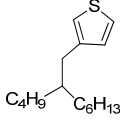
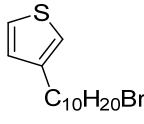
CAS# [1628427-36-0]
 Formula C₇HBr₂FO₂S₂
 FW 360.02

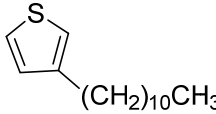
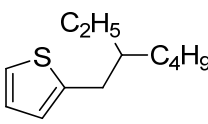
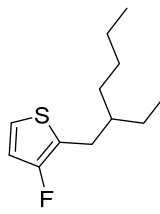
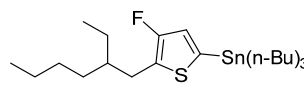
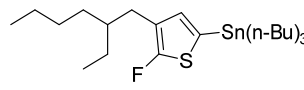
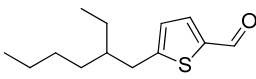
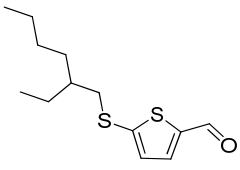
Dodecyl 4,6-dibromothieno[3,4-<i>b</i>]thiophene-2-carboxylate CAT# IN1007  CAS# [1098102-93-2] Formula $C_{19}H_{26}Br_2O_2S_2$ FW 510.3	1-(4,6-Dihydrothieno[3,4-<i>b</i>]thiophen-2-yl)-2-ethylhexan-1-one CAT# IN1054  CAS# [1194605-72-5] Formula $C_{14}H_{20}OS_2$ FW 268.44
Octyl 4,6-dibromo-3-fluorothieno[3,4-<i>b</i>]thiophene-2-carboxylate CAT# IN1017  CAS# [1160823-76-6] Formula $C_{15}H_{17}Br_2FO_2S_2$ FW 472.23	1-(4,6-Dibromo-3-fluorothieno[3,4-<i>b</i>]thiophen-2-yl)-2-ethylhexan-1-one CAT# IN1090  CAS# [1352743-83-9] Formula $C_{14}H_{15}Br_2FOS_2$ FW 442.20
1-(4,6-Dibromo-3-fluorothieno[3,4-<i>b</i>]thiophen-2-yl)nonan-1-one CAT# IN1052  CAS# [1309764-86-0] Formula $C_{15}H_{17}Br_2FOS_2$ FW 456.23	2-Ethylhexyl 3-fluorothieno[3,4-<i>b</i>]thiophene-2-carboxylate CAT# IN1093  CAS# [1401716-01-5] Formula $C_{15}H_{19}FO_2S_2$ FW 314.44
1-(4,6-Dibromothieno[3,4-<i>b</i>]thiophen-2-yl)octan-1-one CAT# IN1061  CAS# [1327334-59-7] Formula $C_{14}H_{16}Br_2OS_2$ FW 424.21	2-Ethylhexyl 4,6-dibromo-3-fluorothieno[3,4-<i>b</i>]thiophene-2-carboxylate CAT# IN1094  CAS# [1237479-38-7] Formula $C_{15}H_{17}Br_2FO_2S_2$ FW 472.23
1-(4,6-Dibromo-3-fluorothieno[3,4-<i>b</i>]thiophen-2-yl)octan-1-one CAT# IN1062  CAS# [1202249-72-6] Formula $C_{14}H_{15}Br_2FOS_2$ FW 442.20	2-Hexyldecyl 4,6-dibromo-3-fluorothieno[3,4-<i>b</i>]thiophene-2-carboxylate CAT# IN1194  CAS# [1446476-90-9] Formula $C_{23}H_{33}Br_2FO_2S_2$ FW 584.44
1-(4,6-Dibromothieno[3,4-<i>b</i>]thiophen-2-yl)-2-ethylhexan-1-one CAT# IN1091  CAS# [1194605-76-9] Formula $C_{14}H_{16}Br_2OS_2$ FW 424.21	2-(2-Ethyl-1,1-difluorohexyl)thieno[3,4-<i>b</i>]thiophene CAT# IN1063  CAS# / Formula $C_{14}H_{18}F_2S_2$ FW 288.42
2-Ethyl-1-(3-fluorothieno[3,4-<i>b</i>]thiophen-2-yl)hexan-1-one CAT# IN1690  CAS# / Formula $C_{14}H_{17}FOS_2$ FW 284.41	

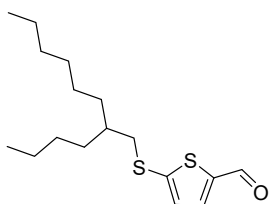
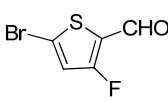
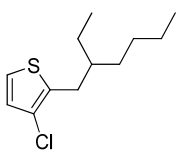
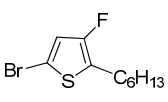
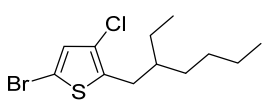
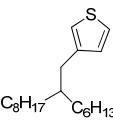
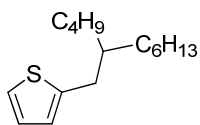
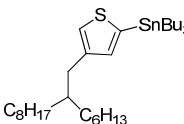
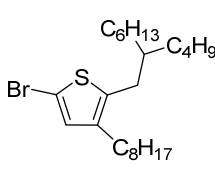
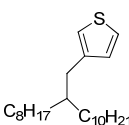
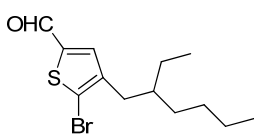
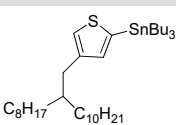
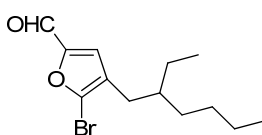
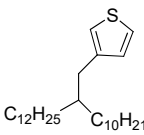
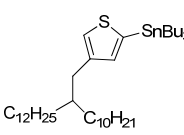
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CAT# IN1535			
	CAS#	[238756-91-7]	
	Formula	C ₄ Br ₂ N ₂ S ₂	
	FW	299.99	
4,6-Bis(5-bromo-2-thienyl)thieno[3,4-c][1,2,5]thiadiazole			
CAT# IN1692			
	CAS#	[1145743-00-5]	
	Formula	C ₁₂ H ₄ Br ₂ N ₂ S ₄	
	FW	464.24	
4,6-Bis(4-decylthiophen-2-yl)-thieno[3,4-c][1,2,5]thiadiazole(s)			
CAT# IN1538			
	CAS#	[914613-38-0]	
	Formula	C ₃₂ H ₄₆ N ₂ S ₄	
	FW	586.98	
4,6-Bis(5-bromo-4-decylthiophen-2-yl)-thieno[3,4-c][1,2,5]thiadiazole (s)			
CAT# IN1539			
	CAS#		
	Formula	C ₃₂ H ₄₄ Br ₂ N ₂ S ₄	
	FW	744.77	
Tributyl(5-hexylthiophen-2-yl)stannane			
CAT# IN1111			
	CAS#	[388616-37-3]	
	Formula	C ₂₂ H ₄₂ SSn	
	FW	457.34	
Tetrabromothiophene			
CAT# IN1070			
	CAS#	[3958-03-0]	
	Formula	C ₄ Br ₄ S	
	FW	399.72	
2-Hexyl-1-(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)decan-1-one			
CAT# IN1358			
	CAS#	/	
	Formula	C ₂₆ H ₄₅ BO ₃ S	
	FW	448.51	

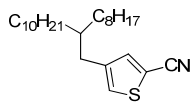
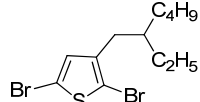
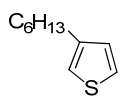
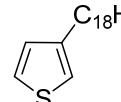
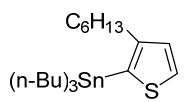
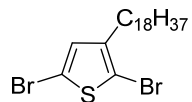
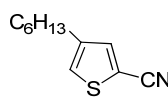
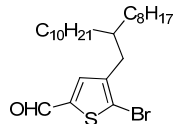
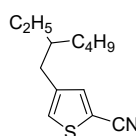
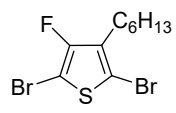
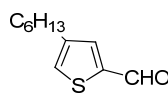
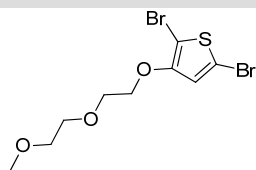
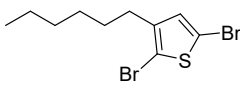
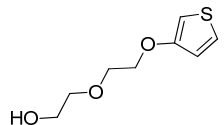
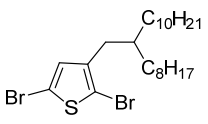
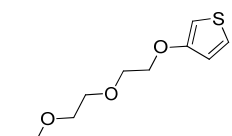
2,5-Dibromo-3,4-difluorothiophene		
CAT# IN1782		
	CAS#	[347838-15-7]
	Formula	C ₄ Br ₂ F ₂ S
	FW	277.91
(3,4-Difluorothiophene-2,5-diyl)bis(trimethylstannane)		
CAT# IN1783		
	CAS#	[870718-97-1]
	Formula	C ₁₀ H ₁₈ F ₂ SSn ₂
	FW	445.73
2,5-Bis(trimethylstannyl)thiophene		
CAT# IN1477		
	CAS#	[86134-26-1]
	Formula	C ₁₀ H ₂₀ SSn ₂
	FW	409.75
(3-Methoxythiophene-2,5-diyl)bis(trimethylstannane)		
CAT# IN1667		
	CAS#	[128141-05-9]
	Formula	C ₁₁ H ₂₂ OSSn ₂
	FW	439.78
(3,4-dimethoxythiophene-2,5-diyl)bis(trimethylstannane)		
CAT# IN2018		
	CAS#	[2102848-94-0]
	Formula	C ₁₂ H ₂₄ O ₂ SSn ₂
	FW	469.80
Tributyl(thiophen-2-yl)stannane		
CAT# IN1127		
	CAS#	[54663-78-4]
	Formula	C ₁₆ H ₃₀ SSn
	FW	373.18
Trimethyl(thiophen-2-yl)stannane		
CAT# IN2077		
	CAS#	[37496-13-2]
	Formula	C ₇ H ₁₂ SSn
	FW	246.94
(5-Bromothiophen-2-yl)trimethylsilane		
CAT# IN1512		
	CAS#	[18246-28-1]
	Formula	C ₇ H ₁₁ BrSSi
	FW	235.22

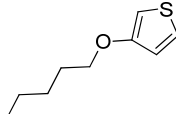
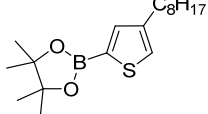
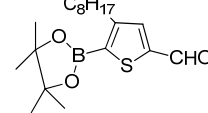
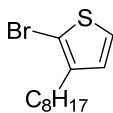
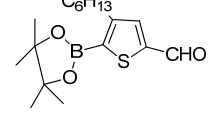
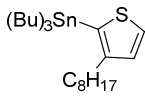
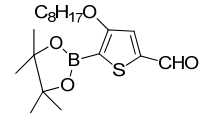
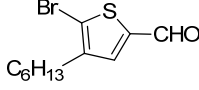
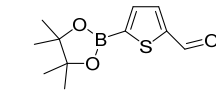
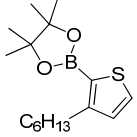
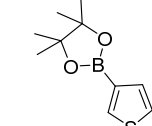
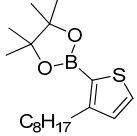
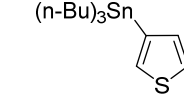
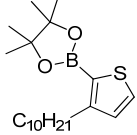
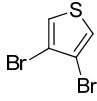
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3-Bromoselenophene CAT# IN1998  CAS# [25109-24-4] Formula C_4H_3BrSe FW 209.93	Methyl 2-bromothiophene-3-carboxylate CAT# IN2496  CAS# [76360-43-5] Formula $C_6H_5O_2SBr$ FW 221.07
Tributyl(selenophen-2-yl)stannane CAT# IN1319  CAS# [116886-71-6] Formula $C_{16}H_{30}SeSn$ FW 420.08	Ethyl 2-bromothiophene-3-carboxylate CAT# IN1497  CAS# [632325-50-9] Formula $C_7H_7BrO_2S$ FW 235.10
Tributyl(4-hexylthiophen-2-yl)stannane CAT# IN1481  CAS# [444579-42-4] Formula $C_{22}H_{42}SSn$ FW 457.34	2-Bromothiophene-3-carboxylic acid CAT# IN2497  CAS# [24287-95-4] Formula $C_5H_3BrO_2S$ FW 207.05
Tributyl(4-octylthiophen-2-yl)stannane CAT# IN1581  CAS# [504441-11-6] Formula $C_{24}H_{46}SSn$ FW 485.40	Ethyl 2-bromo-5-formylthiophene-3-carboxylate CAT# IN1697  CAS# [2110781-56-9] Formula $C_8H_7BrO_3S$ FW 263.11
Tributyl(4-(hexyloxy)thiophen-2-yl)stannane CAT# IN1991  CAS# [224442-OSSn] Formula $C_{22}H_{42}OSSn$ FW 473.34	4-(Hexyloxy)-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene-2-carbaldehyde CAT# IN1696  CAS# [17H27BO4S] Formula $C_{17}H_{27}BO_4S$ FW 338.27
Tributyl-[4-(2-ethyl-hexyl)-thiophen-2-yl]-stannane CAT# IN1882  CAS# [886746-54-9] Formula $C_{24}H_{46}SSn$ FW 485.40	5-Bromo-4-((2-ethylhexyl)oxy)thiophene-2-carbaldehyde CAT# IN1694  CAS# [2055812-54-7] Formula $C_{13}H_{18}BrO_2S$ FW 319.26

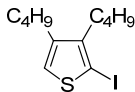
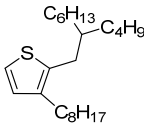
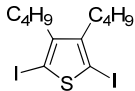
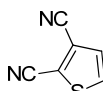
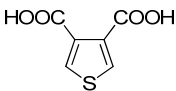
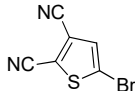
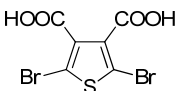
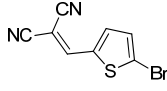
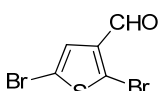
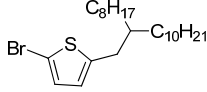
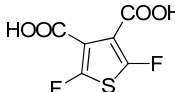
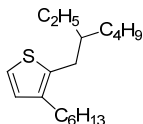
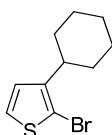
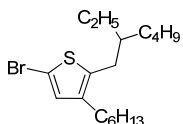
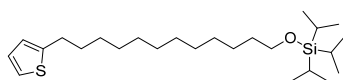
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CAT# IN1695	
	CAS# / Formula $C_{11}H_{15}BrOS_2$ FW 307.27
N-(2-octyldodecyl)thiophen-3-amine	
CAT# IN1691	
	CAS# [1373308-56-5] Formula $C_{24}H_{45}NS$ FW 307.27
3-(2-Ethylhexyl)thiophene	
CAT# IN1470	
	CAS# [121134-38-1] Formula $C_{12}H_{20}S$ FW 196.35
2-Bromo-3-(2-ethylhexyl)thiophene	
CAT# IN1471	
	CAS# [303734-52-3] Formula $C_{12}H_{19}BrS$ FW 275.25
(3-(2-Ethylhexyl)thiophen-2-yl)trimethylstannane	
CAT# IN1671	
	CAS# Formula $C_{15}H_{26}SSn$ FW 359.16
(3-(2-Ethylhexyl)thiophene-2,5-diyl)bis(trimethylstannane)	
CAT# IN1999	
	CAS# [886746-70-9] Formula $C_{18}H_{36}SSn_2$ FW 521.96
3-(2-Butyloctyl)thiophene	
CAT# IN1496	
	CAS# [1638802-04-6] Formula $C_{16}H_{28}S$ FW 252.46
3-(10-Bromodecyl)thiophene	
CAT# IN1940	
	CAS# [125878-93-5] Formula $C_{14}H_{23}BrS$ FW 303.30

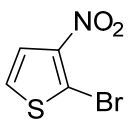
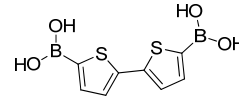
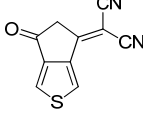
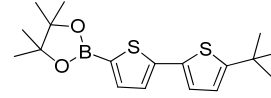
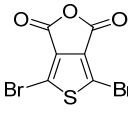
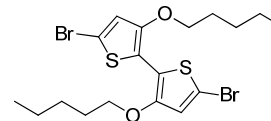
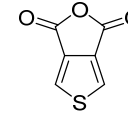
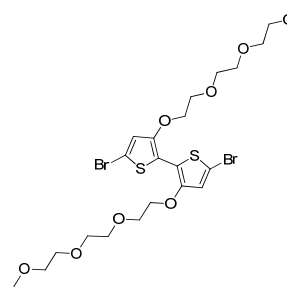
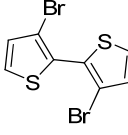
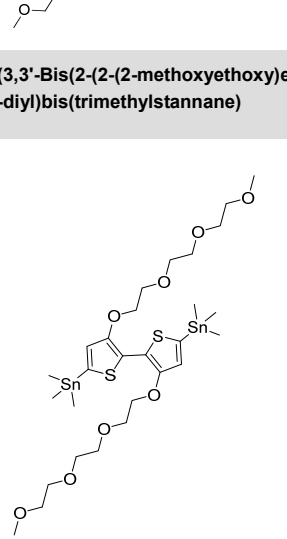
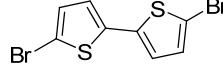
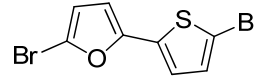
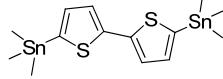
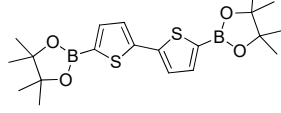
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CAT# IN1593	
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2-(2-Ethylhexyl)thiophene	
CAT# IN1666	
	CAS# [4891-44-5] Formula $C_{12}H_{20}S$ FW 196.35
2-(2-Ethylhexyl)-3-fluorothiophene	
CAT# IN1661	
	CAS# [2189704-71-8] Formula $C_{12}H_{19}FS$ FW 214.34
Tributyl(5-(2-ethylhexyl)-4-fluorothiophen-2-yl)stannane	
CAT# IN2065	
	CAS# Formula $C_{24}H_{45}FSSn$ FW 503.39
Tributyl(4-(2-ethylhexyl)-5-fluorothiophen-2-yl)stannane	
CAT# IN2066	
	CAS# Formula $C_{24}H_{45}FSSn$ FW 503.39
5-(2-Ethylhexyl)thiophene-2-carbaldehyde	
CAT# IN1722	
	CAS# [1448178-54-8] Formula $C_{13}H_{20}OS$ FW 224.36
5-((2-Ethylhexyl)thio)thiophene-2-carbaldehyde	
CAT# IN1982	
	CAS# [1778643-92-7] Formula $C_{13}H_{20}OS_2$ FW 256.43

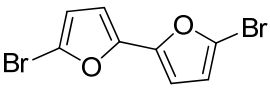
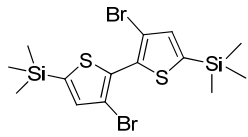
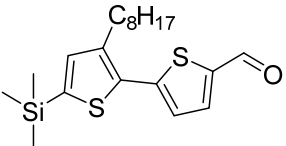
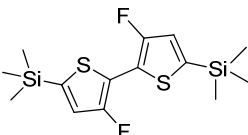
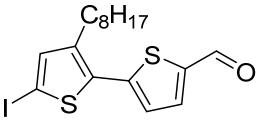
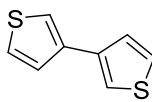
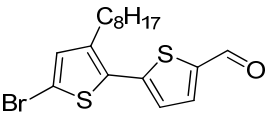
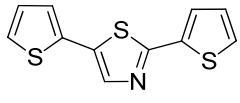
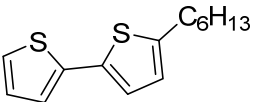
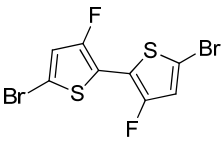
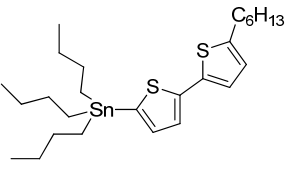
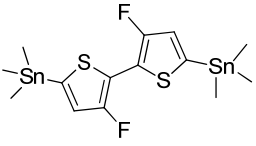
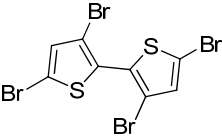
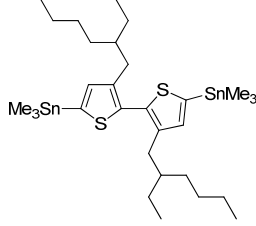
5-((2-Butyloctyl)thio)thiophene-2-carbaldehyde CAT# IN1981  CAS# [2316816-64-3] Formula $C_{17}H_{28}OS_2$ FW 312.53	5-Bromo-3-fluorothiophene-2-carbaldehyde CAT# IN1974  CAS# [1822621-71-5] Formula C_5H_2BrFOS FW 209.04
2-(2-Ethylhexyl)thiophene CAT# IN1664  CAS# [2239295-68-0] Formula $C_{12}H_{20}S$ FW 196.35	5-Bromo-3-fluoro-2-hexylthiophene CAT# IN1990  CAS# [2209090-37-7] Formula $C_{10}H_{14}BrFS$ FW 265.19
5-Bromo-3-chloro-2-(2-ethylhexyl)thiophene CAT# IN2087  CAS# [2664019-55-8] Formula $C_{12}H_{18}BrClS$ FW 309.69	3-(2-Hexyldecyl)thiophene CAT# IN1490  CAS# [1345699-92-4] Formula $C_{20}H_{36}S$ FW 308.56
2-(2-Butyloctyl)thiophene CAT# IN1506  CAS# [1271438-65-3] Formula $C_{16}H_{28}S$ FW 252.46	Tributyl(4-(2-hexyldecyl)thiophen-2-yl)stannane CAT# IN1491  CAS# [1430201-55-0] Formula $C_{32}H_{62}SSn$ FW 597.61
5-Bromo-2-(2-butyloctyl)-3-octylthiophene CAT# IN2009  CAS# [1271438-65-3] Formula $C_{16}H_{28}S$ FW 252.46	3-(2-Octyldodecyl)thiophene CAT# IN1492  CAS# [1268060-76-9] Formula $C_{24}H_{44}S$ FW 364.67
5-Bromo-4-(2-ethylhexyl)thiophene-2-carbaldehyde CAT# IN1971  CAS# [1356861-54-5] Formula $C_{13}H_{19}BrOS$ FW 303.26	Tributyl(4-(2-octyldodecyl)thiophen-2-yl)stannane CAT# IN1493  CAS# [1453167-32-2] Formula $C_{36}H_{70}SSn$ FW 653.72
5-Bromo-4-(2-ethylhexyl)furan-2-carbaldehyde CAT# IN1972  CAS# [1356861-54-5] Formula $C_{13}H_{19}BrO_2$ FW 287.19	3-(2-Decyltetradecyl)thiophene CAT# IN1494  CAS# [1446414-48-7] Formula $C_{28}H_{52}S$ FW 420.78
	Tributyl(4-(2-decyltetradecyl)thiophen-2-yl)stannane CAT# IN1495  CAS# [1446414-48-7] Formula $C_{40}H_{78}SSn$ FW 709.82

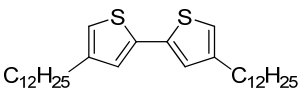
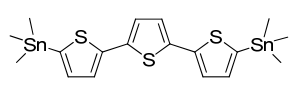
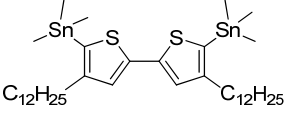
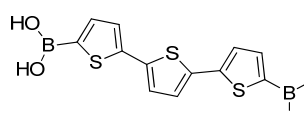
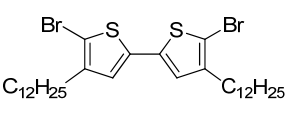
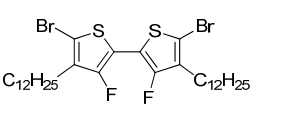
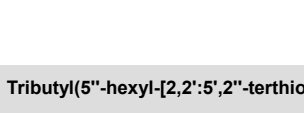
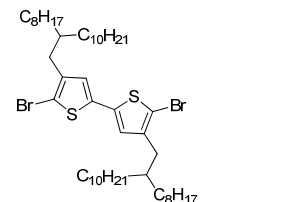
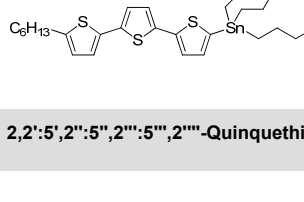
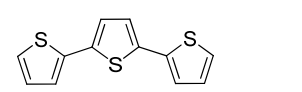
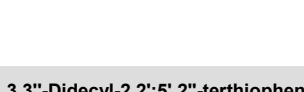
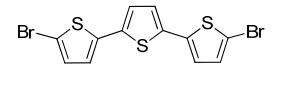
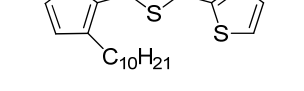
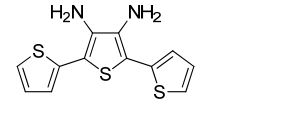
4-(2-Octyldodecyl)thiophene-2-carbonitrile CAT# IN1312  CAS# [1817843-53-0] Formula C₂₅H₄₃NS FW 389.68	2,5-Dibromo-3-(2-ethylhexyl)thiophene CAT# IN1755  CAS# [444177-63-3] Formula C₁₂H₁₈Br₂S FW 354.14
3-Hexylthiophene CAT# IN1980  CAS# [1693-86-3] Formula C₁₀H₁₆S FW 168.30	3-Octadecylthiophene CAT# IN2083  CAS# [104934-54-5] Formula C₂₂H₄₀S FW 336.62
Tributyl(3-hexylthiophen-2-yl)stannane CAT# IN2082  CAS# [851853-51-5] Formula C₂₂H₄₂SSn FW 457.35	2,5-Dibromo-3-octadecylthiophene CAT# IN2084  CAS# [205235-01-4] Formula C₂₂H₃₈Br₂S FW 494.41
4-Hexylthiophene-2-carbonitrile CAT# IN1112  CAS# [1224430-39-0] Formula C₁₁H₁₅NS FW 193.31	5-Bromo-4-(2-octyldodecyl)thiophene-2-carbaldehyde CAT# IN1756  CAS# [2370860-05-0] Formula C₂₅H₄₃BrOS FW 471.58
4-(2-Ethylhexyl)thiophene-2-carbonitrile CAT# IN2112  CAS# [1260224-07-4] Formula C₁₃H₁₉NS FW 221.36	2,5-Dibromo-3-fluoro-4-hexylthiophene CAT# IN1977  CAS# [488127-61-3] Formula C₁₀H₁₃Br₂FS FW 344.08
4-Hexylthiophene-2-carbaldehyde CAT# IN1113  CAS# [222554-30-5] Formula C₁₁H₁₆OS FW 196.31	2,5-Dibromo-3-(2-(2-methoxyethoxy)ethoxy)thiophene CAT# IN1155  CAS# [530116-60-0] Formula C₉H₁₂Br₂O₅S FW 360.06
2,5-Dibromo-3-hexylthiophene CAT# IN1154  CAS# [116971-11-0] Formula C₁₀H₁₄Br₂S FW 326.09	2-(2-(Thiophen-3-yloxy)ethoxy)ethanol CAT# IN1144  CAS# [1186415-90-6] Formula C₈H₁₂O₃S FW 188.24
2,5-Dibromo-3-(2-octyldodecyl)thiophene CAT# IN1754  CAS# [2252295-61-5] Formula C₂₄H₄₂Br₂S FW 522.46	3-(2-(2-Ethoxyethoxy)ethoxy)thiophene CAT# IN1147  CAS# [138625-91-9] Formula C₁₀H₁₆O₃S FW 216.30

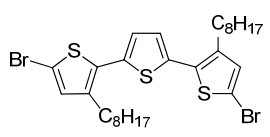
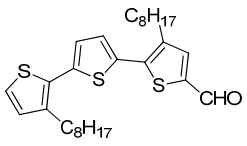
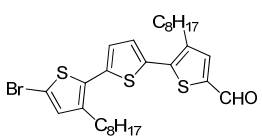
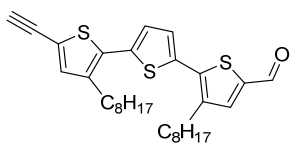
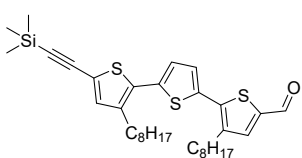
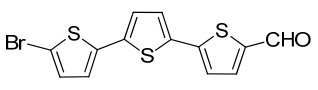
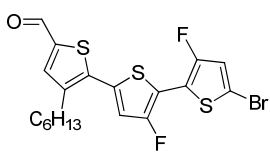
Thiophene, 3-(pentyloxy)- CAT# IN1637	4,4,5,5-Tetramethyl-2-(4-octylthiophen-2-yl)-1,3,2-dioxaborolane CAT# IN2089
 CAS# [148855-96-3] Formula C₉H₁₄OS FW 170.27	 CAS# [405165-12-0] Formula C₁₈H₃₁BO₂S FW 322.31
3-Octylthiophene CAT# IN1472	4-Octyl-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene-2-carbaldehyde CAT# IN1978
 CAS# [65016-62-8] Formula C₁₂H₂₀S FW 196.35	 CAS# [2252154-26-8] Formula C₁₉H₃₁BO₂S FW 350.32
2-Bromo-3-octylthiophene CAT# IN2037	4-Hexyl-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene-2-carbaldehyde CAT# IN1986
 CAS# [145543-83-5] Formula C₁₂H₁₉BrS FW 275.25	 CAS# [1402132-40-4] Formula C₁₇H₂₇BO₂S FW 322.27
Tributyl(3-octylthiophen-2-yl)stannane CAT# IN1673	4-(Octyloxy)-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene-2-carbaldehyde CAT# IN1989
 CAS# [208053-18-3] Formula C₂₄H₄₆SSn FW 485.40	 CAS# [19402132-40-4] Formula C₁₉H₃₁BO₄S FW 366.32
5-Bromo-4-hexylthiophene-2-carbaldehyde CAT# IN1976	5-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene-2-carbaldehyde CAT# IN1988
 CAS# [291535-21-2] Formula C₁₁H₁₅BrOS FW 275.21	 CAS# [1040281-83-1] Formula C₁₁H₁₅BO₃S FW 238.11
2-(3-Hexylthiophen-2-yl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAT# IN1973	4,4,5,5-Tetramethyl-2-(thiophen-3-yl)-1,3,2-dioxaborolane CAT# IN1993
 CAS# [850881-09-3] Formula C₁₆H₂₇BO₂S FW 294.26	 CAS# [214360-70-0] Formula C₁₀H₁₅BO₂S FW 210.10
4,4,5,5-Tetramethyl-2-(3-octylthiophen-2-yl)-1,3,2-dioxaborolane CAT# IN1975	Tributyl(thiophen-3-yl)stannane CAT# IN1994
 CAS# [405165-14-2] Formula C₁₈H₃₁BO₂S FW 322.31	 CAS# [119405-65-1] Formula C₁₆H₃₀SSn FW 373.18
2-(3-Decylthiophen-2-yl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAT# IN1979	3,4-Dibromothiophene CAT# IN1473
 CAS# [1403967-25-8] Formula C₂₀H₃₅BO₂S FW 350.37	 CAS# [3141-26-2] Formula C₄H₂Br₂S FW 241.93

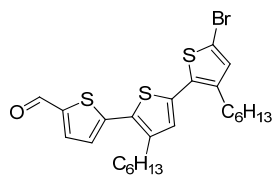
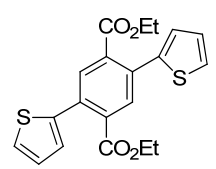
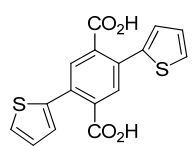
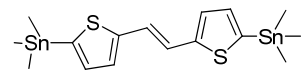
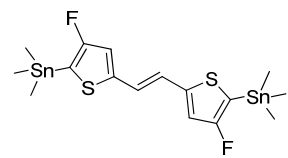
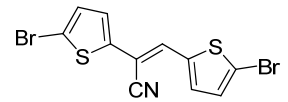
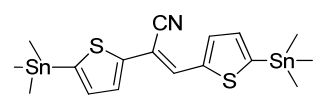
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 CAS# [565186-12-1] Formula C₁₂H₁₉IS FW 322.25	 CAS# Formula C₂₄H₄₄S FW 364.68
3,4-Dibutyl-2,5-diiodothiophene CAT# IN1475	3,4-Dimethylthiophene CAT# IN1489
 CAS# [133750-15-9] Formula C₁₂H₁₈I₂S FW 448.15	 CAS# [632-15-5] Formula C₆H₆S FW 112.19
Thiophene-2,3-dicarbonitrile CAT# IN1478	Thiophene-3,4-dicarboxylic acid CAT# IN1121
 CAS# [18853-42-4] Formula C₆H₂N₂S FW 134.16	 CAS# [4282-29-5] Formula C₆H₄O₄S FW 172.16
5-Bromothiophene-2,3-dicarbonitrile CAT# IN1479	2,5-Dibromothiophene-3,4-dicarboxylic acid CAT# IN1411
 CAS# Formula C₆HBrN₂S FW 213.05	 CAS# [190723-12-7] Formula C₆H₂Br₂O₄S FW 329.95
2-((5-Bromothiophen-2-yl)methylene)malononitrile CAT# IN1480	2,5-Dibromothiophene-3-carbaldehyde CAT# IN1708
 CAS# [81020-78-2] Formula C₈H₃BrN₂S FW 239.09	 CAS# [1193-69-7] Formula C₅H₂OSBr₂ FW 269.94
2-Bromo-5-(2-octyldodecyl)thiophene CAT# IN1482	2,5-Difluorothiophene-3,4-dicarboxylic acid CAT# IN1711
 CAS# [1004524-17-7] Formula C₂₄H₄₃BrS FW 443.57	 CAS# / Formula C₆H₂F₂O₄S FW 208.14
2-(2-Ethylhexyl)-3-hexylthiophene CAT# IN1448	2-Bromo-3-cyclohexylthiophene CAT# IN1713
 CAS# [1627680-06-1] Formula C₁₈H₃₂S FW 280.51	 CAS# [241477-71-4] Formula C₁₀H₁₃BrS FW 245.18
5-Bromo-2-(2-ethylhexyl)-3-hexylthiophene CAT# IN1488	Triisopropyl((12-(thiophen-2-yl)dodecyl)oxy)silane CAT# IN1927
 CAS# Formula C₁₈H₃₁BrS FW 359.41	 CAS# Formula C₂₅H₄₈OSSi FW 424.80

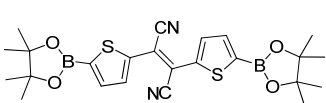
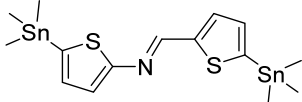
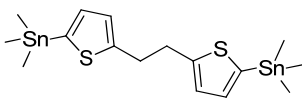
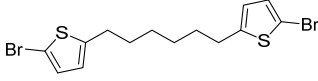
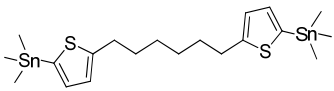
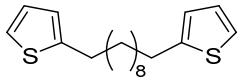
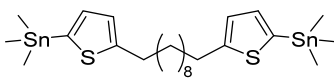
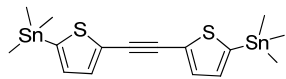
2-Bromo-3-nitrothiophene CAT# IN1922	[2,2'-bithiophene]-5,5'-diylboronic acid CAT# IN2096
 CAS# [2161-96-8] Formula $C_4H_3BrNO_2S$ FW 208.03	 CAS# [189358-30-3] Formula $C_8H_6B_2O_4S_2$ FW 253.90
2-(6-Oxo-5,6-dihydro-4H-cyclopenta[c]thiophen-4-ylidene)malononitrile CAT# IN1413	2-(5'-(Tert-butyl)-[2,2'-bithiophen]-5-yl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAT# IN1636
 CAS# [2099010-83-8] Formula $C_{10}H_4N_2OS$ FW 200.22	 CAS# [2680568-06-1] Formula $C_{18}H_{24}BO_2S_2$ FW 348.33
4,6-Dibromothieno[3,4-c]furan-1,3-dione CAT# IN1122	5,5'-Dibromo-3,3'-bis(pentyloxy)-2,2'-bithiophene CAT# IN1941
 CAS# [1015423-45-6] Formula $C_6Br_2O_3S$ FW 311.94	 CAS# [1404166-45-5] Formula $C_{18}H_{24}Br_2O_2S_2$ FW 496.32
Thieno[3,4-c]furan-1,3-dione CAT# IN1592	5,5'-Dibromo-3,3'-bis(2-(2-(2-methoxyethoxy)ethoxy)ethoxy)-2,2'-bithiophene CAT# IN1273
 CAS# [6007-85-8] Formula $C_6H_2O_3S$ FW 154.14	 CAS# [1974310-58-1] Formula $C_{22}H_{32}Br_2O_8S_2$ FW 648.42
Monomer-Bithiophene Series	
3,3'-Dibromo-2,2'-bithiophene CAT# IN1025	(3,3'-Bis(2-(2-(2-methoxyethoxy)ethoxy)ethoxy)-[2,2'-bithiophene]-5,5'-diyl)bis(trimethylstannane) CAT# IN1894
 CAS# [51751-44-1] Formula $C_8H_4Br_2S_2$ FW 324.05	 CAS# [1636120-19-8] Formula $C_{28}H_{50}O_8S_2Sn_2$ FW 816.24
5,5'-Dibromo-2,2'-bithiophene CAT# IN1547	2-Bromo-5-(5-bromothiophen-2-yl)furan CAT# IN1531
 CAS# [4805-22-5] Formula $C_8H_4Br_2S_2$ FW 324.06	 CAS# Formula $C_8H_4Br_2OS$ FW 307.99
5,5'-Bis(trimethylstannyl)-2,2'-bithiophene CAT# IN1207	
 CAS# [143367-56-0] Formula $C_{14}H_{22}S_2Sn_2$ FW 491.87	
5,5'-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-2,2'-bithiophene CAT# IN1296	
 CAS# [239075-02-6] Formula $C_{20}H_{28}B_2O_4S_2$ FW 418.19	

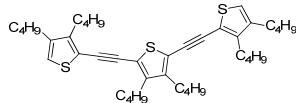
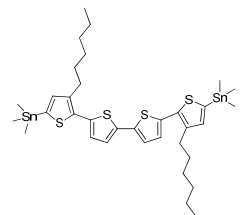
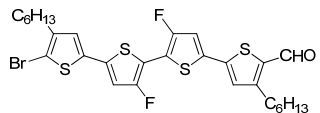
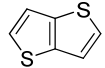
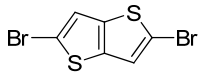
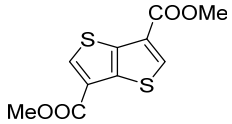
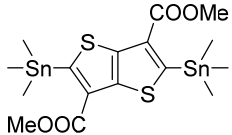
5,5'-Dibromo-2,2'-bifuran CAT# IN1533  CAS# [70477-20-2] Formula $C_8H_4Br_2O_2$ FW 291.92	3,3'-Dibromo-5,5'-bis-trimethylsilyl-2,2'-bithiophene CAT# IN1013  CAS# [207742-50-5] Formula $C_{14}H_{20}Br_2S_2Si_2$ FW 468.42
3'-Octyl-5'-(trimethylsilyl)-[2,2'-bithiophene]-5-carbaldehyde CAT# IN2012  CAS# [2058096-35-6] Formula $C_{20}H_{30}OS_2Si$ FW 378.66	(3,3'-Difluoro-[2,2'-bithiophene]-5,5'-diyl)bis(trimethylsilane) CAT# IN1153  CAS# [1619967-07-5] Formula $C_{14}H_{20}F_2S_2Si_2$ FW 346.61
5'-Iodo-3'-octyl-[2,2'-bithiophene]-5-carbaldehyde CAT# IN1712  CAS# [3172-56-3] Formula $C_{17}H_{21}IOS_2$ FW 432.38	3,3'-Bithiophene CAT# IN2004  CAS# [3172-56-3] Formula $C_8H_6S_2$ FW 166.26
5'-Bromo-3'-octyl-[2,2'-bithiophene]-5-carbaldehyde CAT# IN1931  CAS# [173448-31-2] Formula $C_{17}H_{21}BrOS_2$ FW 385.38	2,5-Di(thiophen-2-yl)thiazole CAT# IN1304  CAS# [54987-01-8] Formula $C_{11}H_7NS_3$ FW 249.37
5-Hexyl-2,2'-bithiophene CAT# IN1716  CAS# [173448-31-2] Formula $C_{14}H_{18}S_2$ FW 250.42	5,5'-Dibromo-3,3'-difluoro-2,2'-bithiophene CAT# IN1163  CAS# [1619967-08-6] Formula $C_8H_2Br_2F_2S_2$ FW 360.04
Tributyl(5'-hexyl-[2,2'-bithiophen]-5-yl)stannane CAT# IN1297  CAS# [211737-37-0] Formula $C_{26}H_{44}S_2Sn$ FW 539.47	(3,3'-Difluoro-[2,2'-bithiophene]-5,5'-diyl)bis(trimethylstannane) CAT# IN1064  CAS# [1619967-09-7] Formula $C_{14}H_{20}F_2S_2Sn_2$ FW 527.86
3,3',5,5'-Tetrabromo-2,2'-bithiophene CAT# IN1024  CAS# [125143-53-5] Formula $C_8H_2Br_4S_2$ FW 481.85	(3,3'-Bis(2-ethylhexyl)-[2,2'-bithiophene]-5,5'-diyl)bis(trimethylstannane) CAT# IN1513  CAS# [1535196-15-6] Formula $C_{30}H_{54}S_2Sn_2$ FW 716.30

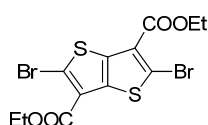
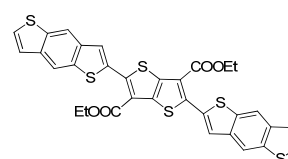
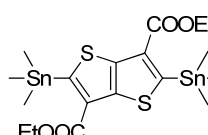
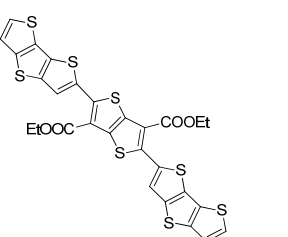
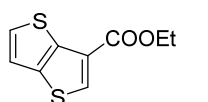
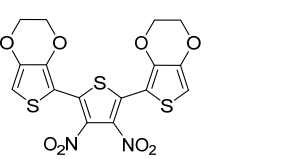
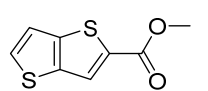
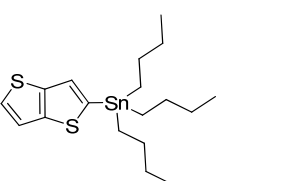
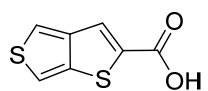
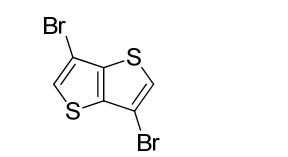
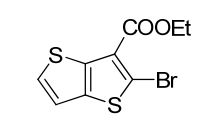
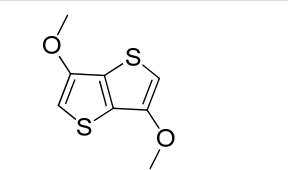
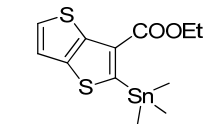
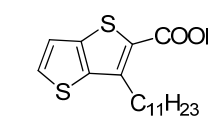
4,4'-Didodecyl-2,2'-bithiophene CAT# IN1515  CAS# [345633-76-3] Formula $C_{32}H_{54}S_2$ FW 502.90	2,5-Bis[(5-trimethylstannyl)-2-thienyl]thiophene CAT# IN1206  CAS# [178931-63-0] Formula $C_{18}H_{24}S_3Sn_2$ FW 574.00
(4,4'-Didodecyl-[2,2'-bithiophene]-5,5'-diyl)bis(trimethylstannane) CAT# IN1516  CAS# [1007347-63-8] Formula $C_{38}H_{70}S_2Sn_2$ FW 828.51	[2,2':5',2''-Terthiophene]-5,5''-diylboronic acid CAT# IN2085  CAS# Formula $C_{12}H_{10}B_2O_4S_3$ FW 336.02
5,5'-Dibromo-4,4'-didodecyl-2,2'-bithiophene CAT# IN1517  CAS# [753470-95-0] Formula $C_{32}H_{52}Br_2S_2$ FW 660.69	5,5''-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-2,2':5',2''-terthiophene CAT# IN2086  CAS# Formula $C_{24}H_{30}B_2O_4S_3$ FW 500.31
5,5'-Dibromo-4,4'-didodecyl-3,3'-difluoro-2,2'-bithiophene CAT# IN1518  CAS# / Formula $C_{32}H_{50}Br_2F_2S_2$ FW 696.67	Tributyl(5''-hexyl-[2,2':5',2''-terthiophen]-5-yl)stannane CAT# IN1501  CAS# [211737-41-6] Formula $C_{30}H_{46}S_3Sn$ FW 621.59
5,5'-Dibromo-4,4'-bis(2-octyldodecyl)-2,2'-bithiophene CAT# IN1519  CAS# [1268060-78-1] Formula $C_{48}H_{84}Br_2S_2$ FW 885.12	2,2':5',2''-5''',2''''-Quinquethiophene CAT# IN1200  CAS# [5660-45-7] Formula $C_{20}H_{12}S_5$ FW 412.63
2,5-Di(2-thienyl)thiophene CAT# IN1204  CAS# [1081-34-1] Formula $C_{12}H_8S_3$ FW 248.38	3,3''-Didecyl-2,2':5',2''-terthiophene CAT# IN1498  CAS# Formula $C_{32}H_{48}S_3$ FW 528.92
5,5'-Dibromo-2,2':5',2''-terthiophene CAT# IN1294  CAS# [98057-08-0] Formula $C_{12}H_6Br_2S_3$ FW 406.18	3,3''-Dioctyl-2,2':5',2''-terthiophene CAT# IN1499  CAS# [155166-89-5] Formula $C_{28}H_{40}S_3$ FW 472.81
2,5-Bis(2-thienyl)-3,4-diaminothiophene CAT# IN1205  CAS# [185691-91-2] Formula $C_{12}H_{10}N_2S_3$ FW 278.42	

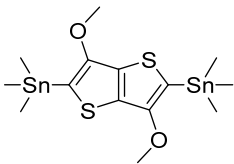
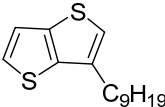
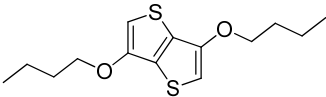
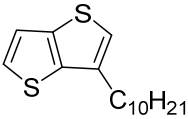
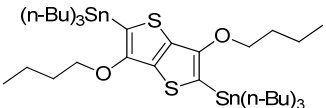
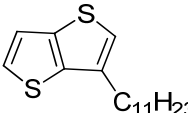
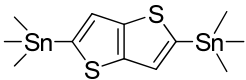
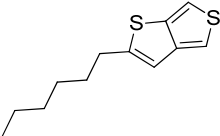
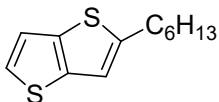
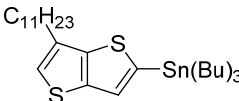
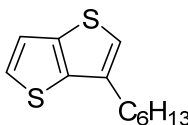
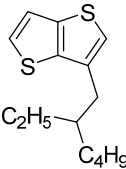
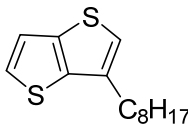
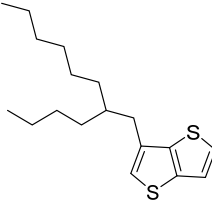
5,5"-Dibromo-3,3"-dioctyl-2,2':5',2"-terthiophene	
CAT# IN1500	
	CAS# [185350-30-5] Formula $C_{28}H_{38}Br_2S_3$ FW 630.60
3,3"-Dioctyl-[2,2':5',2"-terthiophene]-5-carbaldehyde	
CAT# IN1504	
	CAS# Formula $C_{29}H_{40}OS_3$ FW 500.82
5"-Bromo-3,3"-dioctyl-[2,2':5',2"-terthiophene]-5-carbaldehyde	
CAT# IN1505	
	CAS# [1342311-48-1] Formula $C_{29}H_{38}BrOS_3$ FW 579.72
5"-Ethynyl-3,3"-dioctyl-[2,2':5',2"-terthiophene]-5-carbaldehyde	
CAT# IN1855	
	CAS# Formula $C_{31}H_{40}OS_3$ FW 524.84
3,3"-Dioctyl-5"-((trimethylsilyl)ethynyl)-[2,2':5',2"-terthiophene]-5-carbaldehyde	
CAT# IN1880	
	CAS# Formula $C_{34}H_{48}OS_3Si$ FW 597.02
5"-Bromo-[2,2':5',2"-terthiophene]-5-carbaldehyde	
CAT# IN1520	
	CAS# [161726-69-8] Formula $C_{13}H_7BrOS_3$ FW 355.29
5"-Bromo-3",4"-difluoro-3-hexyl-[2,2':5',2"-terthiophene]-5-carbaldehyde	
CAT# IN1789	
	CAS# Formula $C_{19}H_{17}BrF_2OS_3$ FW 475.43

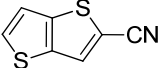
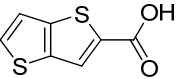
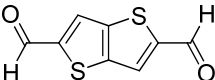
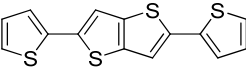
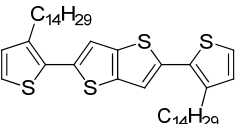
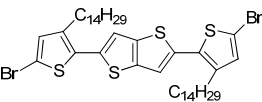
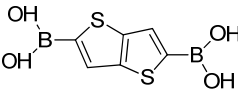
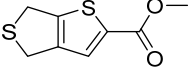
5"-Bromo-3",3"-dihexyl-[2,2':5',2"-terthiophene]-5-carbaldehyde	
CAT# IN1889	
	CAS# [1628940-31-7] Formula $C_{25}H_{31}BrOS_3$ FW 523.61
Diethyl 2,5-di(thiophen-2-yl)terephthalate	
CAT# IN1317	
	CAS# [915224-39-4] Formula $C_{20}H_{18}O_4S_2$ FW 386.48
2,5- Di(thiophen-2-yl)terephthalic acid	
CAT# IN1310	
	CAS# Formula $C_{16}H_{10}O_4S_2$ FW 330.38
(E)-1,2-Bis(5-(trimethylstannyl)thiophen-2-yl)ethene	
CAT# IN1450	
	CAS# [477789-30-3] Formula $C_{16}H_{24}S_2Sn_2$ FW 517.91
(E)-1,2-bis(4-fluoro-5-(trimethylstannyl)thiophen-2-yl)ethene	
CAT# IN1445	
	CAS# [2205860-41-7] Formula $C_{16}H_{22}F_2S_2Sn_2$ FW 553.89
(E)-2,3-bis(5-bromothiophen-2-yl)acrylonitrile	
CAT# IN1579	
	CAS# [439588-79-1] Formula $C_{11}H_5Br_2NS_2$ FW 375.10
(E)-2,3-bis(5-(trimethylstannyl)thiophen-2-yl)acrylonitrile	
CAT# IN1457	
	CAS# [1610057-05-0] Formula $C_{17}H_{23}NS_2Sn_2$ FW 542.92

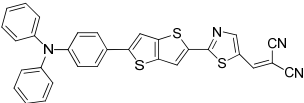
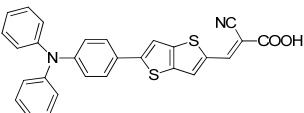
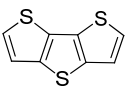
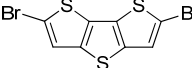
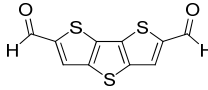
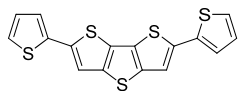
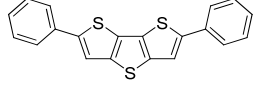
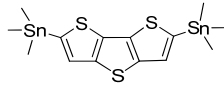
2,3-bis(5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl)fu maronitrile	
CAT# IN1459	
	CAS# Formula $C_{24}H_{28}B_2N_2O_4S_2$ FW 494.24
(E)-N,1-bis(5-(trimethylstannyl)thiophen-2-yl)methanimine	
CAT# IN2079	
	CAS# [2704541-57-9] Formula $C_{15}H_{23}NS_2Sn_2$ FW 518.90
1,2-Bis(5-(trimethylstannyl)thiophen-2-yl)ethane	
CAT# IN1961	
	CAS# [1698837-47-6] Formula $C_{16}H_{26}S_2Sn_2$ FW 519.92
1,6-Bis(5-bromothiophen-2-yl)hexane	
CAT# IN2062	
	CAS# [681028-54-6] Formula $C_{14}H_{16}Br_2S_2$ FW 408.21
1,6-Bis(5-(trimethylstannyl)thiophen-2-yl)hexane	
CAT# IN1860	
	CAS# [1884354-21-5] Formula $C_{20}H_{34}S_2Sn_2$ FW 576.03
1,10-Di(thiophen-2-yl)decane	
CAT# IN1954	
	CAS# [151535-14-7] Formula $C_{18}H_{26}S_2$ FW 306.53
1,10-Bis(5-(trimethylstannyl)thiophen-2-yl)decane	
CAT# IN1962	
	CAS# [1884354-25-9] Formula $C_{24}H_{42}S_2Sn_2$ FW 632.14
1,2-Bis(5-(trimethylstannyl)thiophen-2-yl)ethyne	
CAT# IN1861	
	CAS# [1610057-24-3] Formula $C_{16}H_{22}S_2Sn_2$ FW 515.90

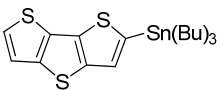
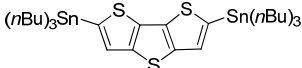
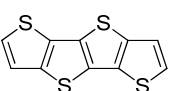
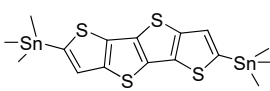
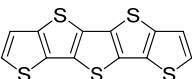
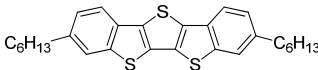
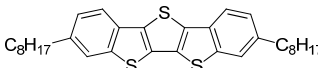
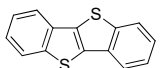
2,2'-(3,4-Dibutylthiophene-2,5-diyl)bis(ethyne-2,1-diyl)bis(3,4-dibutylt hiophene)	
CAT# IN1476	
	CAS# Formula $C_{40}H_{56}S_3$ FW 633.07
(3,3'''-Dihexyl-[2,2':5',2'':5'',2'''-quaterthiophene]-5,5'''-diyl)bis(trimeth ylstannane)	
CAT# IN1514	
	CAS# [1334669-56-5] Formula $C_{34}H_{50}S_4Sn_2$ FW 824.44
5'''-Bromo-3'',4'-difluoro-4,4'''-dihexyl-[2,2':5',2'':5'',2'''-quaterthiophen e]-5-carbaldehyde	
CAT# IN1724	
	CAS# Formula $C_{29}H_{31}BrF_2OS_4$ FW 641.72
Monomer-Thienothiophene (TT) Series	
Thieno[3,2-b]thiophene	
CAT# IN1102	
	CAS# [251-41-2] Formula $C_6H_4S_2$ FW 140.23
2,5-Dibromothieno[3,2-b]thiophene	
CAT# IN1103	
	CAS# [25121-87-3] Formula $C_6H_2Br_2S_2$ FW 298.02
Dimethyl thieno[3,2-b]thiophene-3,6-dicarboxylate	
CAT# IN2092	
	CAS# Formula $C_{10}H_8O_4S_2$ FW 256.29
Dimethyl	
2,5-bis(trimethylstannyl)thieno[3,2-b]thiophene-3,6-dicarboxylate	
CAT# IN2043	
	CAS# Formula $C_{16}H_{24}O_4S_2Sn_2$ FW 581.90

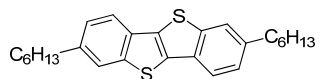
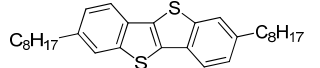
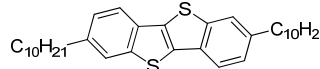
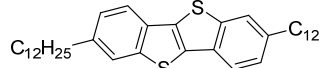
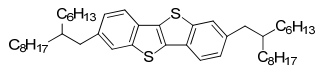
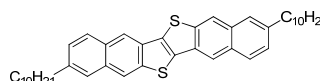
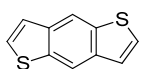
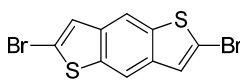
Diethyl 2,5-dibromothieno[3,2-b]thiophene-3,6-dicarboxylate CAT# IN1821	Diethyl 2,5-bis(benzo[1,2-b:4,5-b']dithiophen-2-yl)thieno[3,2-b]thiophene-3,6-dicarboxylate CAT# IN1822
 CAS# [1800376-55-9] Formula $C_{12}H_{10}Br_2O_4S_2$ FW 442.14	 CAS# / Formula $C_{32}H_{20}O_4S_6$ FW 660.89
Diethyl 2,5-bis(trimethylstannyl)thieno[3,2-b]thiophene-3,6-dicarboxylate CAT# IN1843	Diethyl 2,5-bis(dithieno[3,2-b:2',3'-d]thiophen-2-yl)thieno[3,2-b]thiophene-3,6-dicarboxylate CAT# IN1817
 CAS# [2105955-68-6] Formula $C_{18}H_{28}O_4S_2Sn_2$ FW 609.96	 CAS# / Formula $C_{28}H_{16}O_4S_8$ FW 672.94
Ethyl thieno[3,2-b]thiophene-3-carboxylate CAT# IN1837	5,5'-(3,4-Dinitrothiophene-2,5-diyl)bis(2,3-dihydrothieno[3,4-b][1,4]dioxine) CAT# IN1920
 CAS# [2055722-84-2] Formula $C_9H_8O_2S_2$ FW 212.29	 CAS# / Formula $C_{16}H_{10}N_2O_8S_3$ FW 454.44
Methyl thieno[3,2-b]thiophene-2-carboxylate CAT# IN2001	Tributyl(thieno[3,2-b]thiophen-2-yl)stannane CAT# IN1502
 CAS# [98800-10-3] Formula $C_8H_6O_2S_2$ FW 198.25	 CAS# [160032-41-7] Formula $C_{18}H_{30}S_2Sn$ FW 429.27
Tieno[3,4-b]thiophene-2-carboxylic acid CAT# IN2011	3,6-Dibromothieno[3,2-b]thiophene CAT# IN1100
 CAS# [14630-08-1] Formula $C_7H_4O_2S_2$ FW 184.23	 CAS# [392662-65-6] Formula $C_6H_2Br_2S_2$ FW 298.02
Ethyl 2-bromothieno[3,2-b]thiophene-3-carboxylate CAT# IN1828	3,6-Dimethoxythieno[3,2-b]thiophene CAT# IN1702
 CAS# [2055722-78-4] Formula $C_9H_7BrO_2S_2$ FW 291.18	 CAS# [850233-79-3] Formula $C_8H_8O_2S_2$ FW 200.28
Ethyl 2-(trimethylstannyl)thieno[3,2-b]thiophene-3-carboxylate CAT# IN1844	
 CAS# [2412678-09-0] Formula $C_{12}H_{16}O_2S_2Sn$ FW 375.09	
Ethyl 3-undecylthieno[3,2-b]thiophene-2-carboxylate CAT# IN1838	
 CAS# [950223-95-7] Formula $C_{20}H_{30}O_2S_2$ FW 366.58	

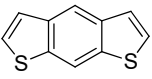
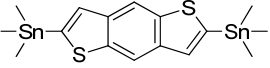
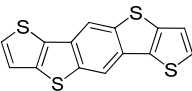
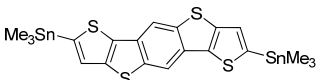
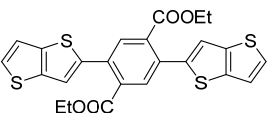
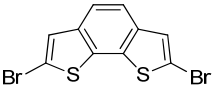
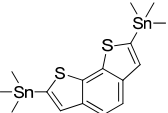
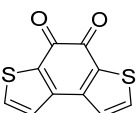
(3,6-Dimethoxythieno[3,2-b]thiophene-2,5-diyl)bis(trimethylstannane) CAT# IN1969	3-Nonylthieno[3,2-b]thiophene CAT# IN1723
 CAS# [1801357-03-8] Formula $C_{14}H_{24}O_2S_2Sn_2$ FW 525.88	 CAS# [763114-94-9] Formula $C_{15}H_{22}S_2$ FW 266.47
3,6-Dibutoxythieno[3,2-b]thiophene CAT# IN1896	3-Decylthieno[3,2-b]thiophene CAT# IN1580
 CAS# / Formula $C_{14}H_{20}O_2S_2$ FW 284.44	 CAS# [1882054-96-7] Formula $C_{16}H_{24}S_2$ FW 280.49
(3,6-Dibutoxythieno[3,2-b]thiophene-2,5-diyl)bis(tributylstannane) CAT# IN1897	3-Undecylthieno[3,2-b]thiophene CAT# IN1839
 CAS# / Formula $C_{38}H_{72}O_2S_2Sn_2$ FW 862.53	 CAS# [950223-97-9] Formula $C_{17}H_{26}S_2$ FW 294.52
2,5-Bis(trimethylstannyl)thieno[3,2-b]thiophene CAT# IN1104	2-Hexylthieno[3,4-b]thiophene CAT# IN1311
 CAS# [469912-82-1] Formula $C_{12}H_{20}Sn_2S_2$ FW 465.84	 CAS# [1202695-55-3] Formula $C_{12}H_{16}S_2$ FW 224.39
2-Hexylthieno[3,2-b]thiophene CAT# IN1302	Tributyl(6-undecylthieno[3,2-b]thiophen-2-yl)stannane CAT# IN1841
 CAS# [944826-48-6] Formula $C_{12}H_{16}S_2$ FW 224.39	 CAS# [2304444-54-8] Formula $C_{29}H_{52}S_2Sn$ FW 583.56
3-Hexylthieno[3,2-b]thiophene CAT# IN1717	3-(2-Ethylhexyl)thieno[3,2-b]thiophene CAT# IN2057
 CAS# [880088-89-1] Formula $C_{12}H_{16}S_2$ FW 224.39	 CAS# / Formula $C_{14}H_{20}S_2$ FW 252.43
3-Octylthieno[3,2-b]thiophene CAT# IN1719	3-(2-Butyloctyl)thieno[3,2-b]thiophene CAT# IN1934
 CAS# [1064015-56-0] Formula $C_{14}H_{20}S_2$ FW 252.44	 CAS# [40985-58-8] Formula $C_{18}H_{28}S_2$ FW 308.54

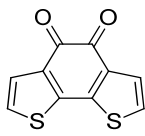
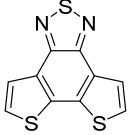
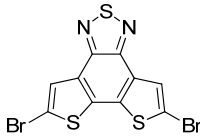
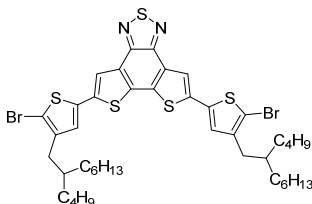
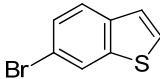
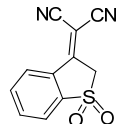
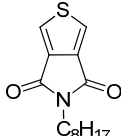
Thieno[3,2-b]thiophene-2-carbonitrile	
CAT# IN1087	
	CAS# [40985-58-8] Formula C ₇ H ₃ NS ₂ FW 165.24
Thieno[3,2-b]thiophene-2-carboxylic acid	
CAT# IN1108	
	CAS# [1723-27-9] Formula C ₇ H ₄ O ₂ S ₂ FW 184.24
Thieno[3,2-b]thiophene-2,5-dicarbaldehyde	
CAT# IN1109	
	CAS# [37882-75-0] Formula C ₈ H ₄ O ₂ S ₂ FW 196.25
2,5-Di(thiophen-2-yl)thieno[3,2-b]thiophene	
CAT# IN1105	
	CAS# [21210-90-2] Formula C ₁₄ H ₈ S ₄ FW 304.47
2,5-Bis(3-tetradecylthiophen-2-yl)thieno[3,2-b]thiophene	
CAT# IN2174	
	CAS# [1246521-87-8] Formula C ₄₂ H ₆₄ S ₄ FW 697.22
2,5-Bis(5-bromo-3-tetradecylthiophen-2-yl)thieno[3,2-b]thiophene	
CAT# IN1275	
	CAS# [1246521-88-9] Formula C ₄₂ H ₆₂ Br ₂ S ₄ FW 855.01
Thieno[3,2-b]thiophene-2,5-diylboronic acid	
CAT# IN1742	
	CAS# Formula C ₆ H ₆ B ₂ O ₄ S ₂ FW 227.86
Methyl 4,6-dihydrothieno[3,4-b]thiophene-2-carboxylate	
CAT# IN2176	
	CAS# [7767-60-4] Formula C ₈ H ₈ O ₂ S ₂ FW 200.27

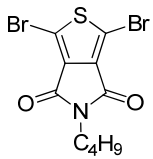
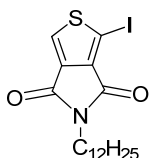
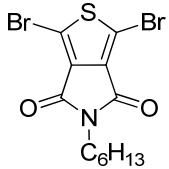
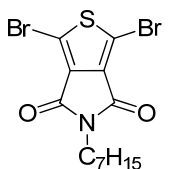
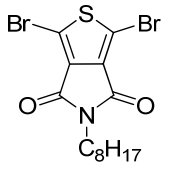
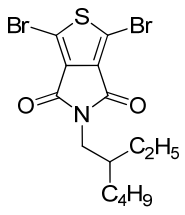
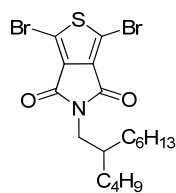
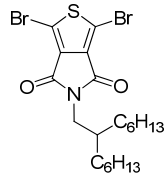
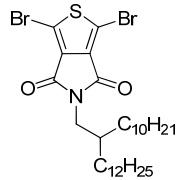
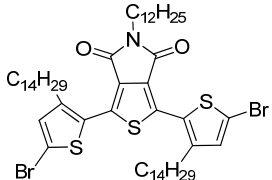
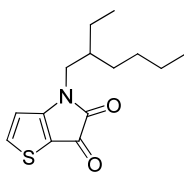
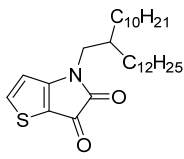
2-(2-(5-(4-(Diphenylamino)phenyl)thieno[3,2-b]thiophen-2-yl)thiazol-5-yl)methylene)malononitrile	
CAT# IN1743	
	CAS# [1610050-61-7] Formula C ₃₁ H ₁₈ N ₄ S ₃ FW 542.70
(E)-2-cyano-3-(5-(4-(diphenylamino)phenyl)thieno[3,2-b]thiophen-2-yl)acrylic acid	
CAT# IN1744	
	CAS# [1092363-69-3] Formula C ₂₈ H ₁₈ N ₂ O ₂ S ₂ FW 478.58
Monomer-Dithienothiophene (DTT) Series	
Dithieno[3,2-b:2',3'-d']thiophene	
CAT# OC1018	
	CAS# [3593-75-7] Formula C ₈ H ₄ S ₃ FW 196.31
2,6-Dibromo-dithieno[3,2-b:2',3'-d']thiophene	
CAT# IN1068	
	CAS# [67061-69-2] Formula C ₈ H ₂ Br ₂ S ₃ FW 354.10
Dithieno[3,2-b;2',3'-d']thiophene-2,6-dicarbaldehyde	
CAT# IN1117	
	CAS# [67061-73-8] Formula C ₁₀ H ₄ O ₂ S ₃ FW 252.33
2,6-Dithiophen-2-yl-dithieno[3,2-b;2',3'-d']thiophene	
CAT# IN1115	
	CAS# [910788-24-8] Formula C ₁₆ H ₈ S ₅ FW 360.56
2,6-Diphenyldithieno[3,2-b;2',3'-d']thiophene	
CAT# IN1116	
	CAS# [881838-94-4] Formula C ₂₀ H ₁₂ S ₃ FW 348.50
2,6-Bis(trimethyltin)-dithieno[3,2-b;2',3'-d']thiophene	
CAT# IN1118	
	CAS# [502764-57-0] Formula C ₁₄ H ₂₀ S ₃ Sn ₂ FW 521.92

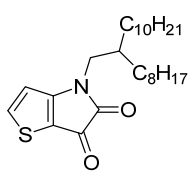
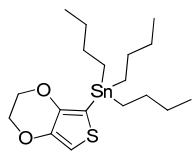
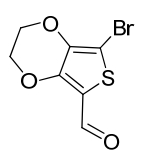
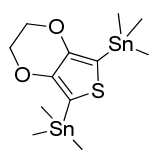
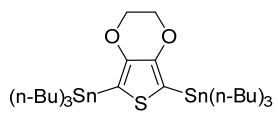
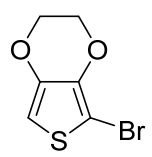
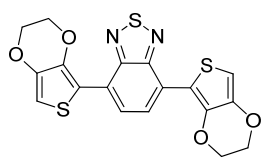
Tributyl(dithieno[3,2-b:2',3'-d]thiophen-2-yl)stannane		
CAT# IN1585		
	CAS#	[648430-74-4]
	Formula	C ₂₀ H ₃₀ S ₃ Sn
	FW	485.36
2,6-Bis(tributylstannyl)dithieno[3,2-b:2',3'-d]thiophene		
CAT# IN1586		
	CAS#	[944257-56-1]
	Formula	C ₃₂ H ₅₆ S ₃ Sn ₂
	FW	774.40
Monomer-TTTT Series		
Thieno[2',3':4,5]thieno[3,2-b]thieno[2,3-d]thiophene		
CAT# IN1183		
	CAS#	[124796-78-7]
	Formula	C ₁₀ H ₄ S ₄
	FW	252.40
2,6-Bis(trimethylstannyl)thieno[2',3':4,5]thieno[3,2-b]thieno[2,3-d]thiophene		
TTTT-SnMe3 CAT# IN1588		
	CAS#	[1372553-45-1]
	Formula	C ₁₆ H ₂₀ S ₄ Sn ₂
	FW	578.01
Thieno[2',3':4,5]thieno[3,2-b]thieno[2',3':4,5]thieno[2,3-d]thiophene		
CAT# IN1120		
	CAS#	[124796-79-8]
	Formula	C ₁₂ H ₄ S ₅
	FW	308.49
Monomer-DBTDT Series		
3,8-Dihexyl-thieno[3,2-b:4,5-b']bis[1]benzothiophene		
C6-DBTDT CAT# IN1619		
	CAS#	[1261027-85-3]
	Formula	C ₂₈ H ₃₂ S ₃
	FW	464.75
3,8-Dioctyl-thieno[3,2-b:4,5-b']bis[1]benzothiophene		
C8-DBTDT CAT# IN1159		
	CAS#	[1355015-99-4]
	Formula	C ₃₂ H ₄₀ S ₃
	FW	520.86
Monomer-BTBT Series		
Benzo[b]benzo[4,5]thieno[2,3-d]thiophene		
BTBT CAT# IN1145		
	CAS#	[248-70-4]
	Formula	C ₁₄ H ₆ S ₂
	FW	240.34

2,7-Dihexyl[1]benzothieno[3,2-b][1]benzothiophene		
C6-BTBT CAT# IN1676		
	CAS#	[583050-69-5]
	Formula	C ₂₆ H ₃₂ S ₂
	FW	408.66
2,7-Dioctyl[1]benzothieno[3,2-b][1]benzothiophene		
C8-BTBT CAT# IN1106		
	CAS#	[583050-70-8]
	Formula	C ₃₀ H ₄₀ S ₂
	FW	464.77
2,7-Didecyl[1]benzothieno[3,2-b][1]benzothiophene		
C10-BTBT CAT# IN1677		
	CAS#	[583050-71-9]
	Formula	C ₃₄ H ₄₈ S ₂
	FW	520.87
2,7-Didecyl[1]benzothieno[3,2-b][1]benzothiophene		
C12-BTBT CAT# IN1678		
	CAS#	[473723-54-5]
	Formula	C ₃₈ H ₅₆ S ₂
	FW	576.98
2,7-Bis(2-hexyldecyl)benzo[b]benzo[4,5]thieno[2,3-d]thiophene		
CAT# IN1166		
	CAS#	/
	Formula	C ₄₆ H ₇₂ S ₂
	FW	689.19
2,9-Didecylindaphtho[2,3-b:2',3'-f]thieno[3,2-b]thiophene		
CAT# IN1107		
	CAS#	[1169932-40-4]
	Formula	C ₄₂ H ₅₂ S ₂
	FW	620.99
Benzo[1,2-b:4,5-b']dithiophene		
CAT# IN1601		
	CAS#	[267-65-2]
	Formula	C ₁₀ H ₆ S ₂
	FW	190.28
2,6-Dibromobenzo[1,2-b:4,5-b']dithiophene		
CAT# IN1631		
	CAS#	[909280-97-3]
	Formula	C ₁₀ H ₄ S ₂ Br ₂
	FW	348.08

Benzo[1,2-b:5,4-b']dithiophene	
CAT# IN1604	
	CAS# [267-61-8] Formula C ₁₀ H ₆ S ₂ FW 190.28
2,6-Bis(trimethylstannyl)benzo[1,2-b:4,5-b']dithiophene	
CAT# IN1101	
	CAS# [1242077-07-1] Formula C ₁₆ H ₂₂ S ₂ Sn ₂ FW 515.90
Dithieno[2,3-d:2',3'-d']benzo[1,2-b:4,5-b']dithiophene	
CAT# IN1608	
	CAS# [942578-58-7] Formula C ₁₄ H ₆ S ₄ FW 302.46
2,6-Bis(trimethylstannyl)dithieno[2,3-d:2',3'-d']benzo[1,2-b:4,5-b']dithiophene	
CAT# IN1609	
	CAS# / Formula C ₂₀ H ₂₂ S ₄ Sn ₂ FW 628.07
Diethyl 2,5-bis(thieno[3,2-b]thiophen-2-yl)terephthalate	
CAT# IN2008	
	CAS# [1411976-67-4] Formula C ₂₄ H ₁₈ O ₄ S ₄ FW 498.64
2,7-Dibromobenzo[1,2-b:6,5-b']dithiophene	
CAT# IN1898	
	CAS# [70218-26-7] Formula C ₁₀ H ₄ Br ₂ S ₂ FW 348.08
2,7-Bis(trimethylstannyl)benzo[1,2-b:6,5-b']dithiophene	
CAT# IN1099	
	CAS# [1203461-16-8] Formula C ₁₆ H ₂₂ S ₂ Sn ₂ FW 515.90
Benzo[1,2-b:4,3-b']dithiophene-4,5-dione	
CAT# IN2005	
	CAS# [24243-31-0] Formula C ₁₀ H ₄ O ₂ S ₂ FW 220.26

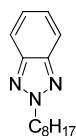
Benzo[1,2-b:6,5-b']dithiophene-4,5-dione	
CAT# IN1799	
	CAS# [24243-32-1] Formula C ₁₀ H ₄ O ₂ S ₂ FW 220.27
Dithieno[3,2-e:2',3'-g]-2,1,3-benzothiadiazole	
CAT# IN1806	
	CAS# [1256138-50-7] Formula C ₁₀ H ₄ N ₂ S ₃ FW 248.35
5,8-Dibromodithieno[3',2':3,4;2'',3'':5,6]benzo[1,2-c][1,2,5]thiadiazole	
DTBT	
CAT# IN1807	
	CAS# [1415761-37-3] Formula C ₁₀ H ₂ Br ₂ N ₂ S ₃ FW 406.14
5,8-Bis(5-bromo-4-(2-butyloctyl)thiophen-2-yl)dithieno[3',2':3,4;2'',3'':5,6]benzo[1,2-c][1,2,5]thiadiazole	
CAT# IN1808	
	CAS# [2433725-51-8] Formula C ₄₂ H ₅₄ Br ₂ N ₂ S ₅ FW 907.02
6-Bromobenzo[b]thiophene	
CAT# IN1018	
	CAS# [17347-32-9] Formula C ₈ H ₅ BrS FW 213.09
2-(1,1-Dioxidobenzo[b]thiophen-3(2H)-ylidene)malononitrile	
CAT# IN1603	
	CAS# [74228-25-4] Formula C ₁₁ H ₆ N ₂ O ₂ S FW 230.24
Monomer-Thienopyrroledione (TPD) Series	
5-Octyl-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione	
CAT# IN1613	
	CAS# [773881-43-9] Formula C ₁₄ H ₁₉ NO ₂ S FW 265.37

1,3-Dibromo-5-butyl-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione CAT# IN1611	 CAS# [190723-14-9] Formula $C_{10}H_9Br_2NO_2S$ FW 367.06
1-Iodo-5-dodecyl-4H-thieno[3,4-c]pyrrole-5,6(5H)-dione CAT# IN1612	 CAS# Formula $C_{18}H_{26}INO_2S$ FW 447.37
1,3-Dibromo-5-hexyl-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione CAT# IN1616	 CAS# [566939-56-8] Formula $C_{15}H_{17}Br_2FO_2S_2$ FW 472.23
1,3-Dibromo-5-heptyl-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione CAT# IN1615	 CAS# [1427705-63-2] Formula $C_{13}H_{15}Br_2NO_2S$ FW 409.14
1,3-Dibromo-5-octyl-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione CAT# IN1053	 CAS# [566939-58-0] Formula $C_{14}H_{17}Br_2NO_2S$ FW 423.16
1,3-Dibromo-5-(2-ethylhexyl)-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione CAT# IN1095	 CAS# [1231160-83-0] Formula $C_{14}H_{17}Br_2NO_2S$ FW 423.16
1,3-Dibromo-5-(2-butyloctyl)-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione CAT# IN1614	 CAS# [1262241-50-8] Formula $C_{18}H_{25}Br_2NO_2S$ FW 479.27
1,3-Dibromo-5-(2-hexyloctyl)-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione CAT# IN1617	 CAS# / Formula $C_{20}H_{29}Br_2NO_2S$ FW 507.32
1,3-Dibromo-5-(2-decyltetradecyl)-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione CAT# IN1096	 CAS# [1640286-62-9] Formula $C_{30}H_{49}Br_2NO_2S$ FW 647.59
1,3-Bis(5-bromo-3-tetradecylthiophen-2-yl)-5-dodecyl-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione CAT# IN1208	 CAS# Formula $C_{54}H_{85}Br_2NO_2S_3$ FW 1036.26
4-(2-Ethylhexyl)-4H-thieno[3,2-b]pyrrole-5,6-dione CAT# IN2015	 CAS# [1147124-46-6] Formula $C_{14}H_{19}NO_2S$ FW 265.37
4-(2-Decyltetradecyl)-4H-thieno[3,2-b]pyrrole-5,6-dione CAT# IN2068	 CAS# [1628283-73-7] Formula $C_{30}H_{51}NO_2S$ FW 489.80

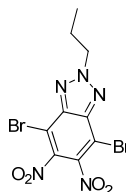
4H-Thieno[3,2-b]pyrrole-5,6-dione, 4-(2-octyldodecyl)-	
CAT# IN2095	
	CAS# [1373308-57-6] Formula $C_{26}H_{43}NO_2S$ FW 433.69
Monomer-EDOT Series	
Tributyl(2,3-dihydrothieno[3,4-b][1,4]dioxin-5-yl)stannane	
CAT# IN1110	
	CAS# [175922-79-9] Formula $C_{18}H_{32}O_2SSn$ FW 431.22
7-Bromo-2,3-dihydrothieno[3,4-b][1,4]dioxine-5-carbaldehyde	
CAT# IN1910	
	CAS# [852054-42-3] Formula $C_7H_5BrO_3S$ FW 249.08
5,7-Bis(trimethylstannyl)-2,3-dihydrothieno[3,4-b][1,4]dioxine	
CAT# IN1919	
	CAS# [459409-70-2] Formula $C_{12}H_{22}O_2SSn_2$ FW 467.79
5,7-Bis(tributylstannyl)-2,3-dihydrothieno[3,4-b][1,4]dioxine	
CAT# IN2069	
	CAS# [291308-76-4] Formula $C_{30}H_{58}O_2SSn_2$ FW 720.27
5-Bromo-2,3-dihydrothieno[3,4-b][1,4]dioxine	
CAT# IN2039	
	CAS# [302554-82-1] Formula $C_8H_5BrO_2S$ FW 221.07
4,7-Bis(thieno[3,4-b][1,4]dioxin-5-yl)benzo[c][1,2,5]thiadiazole	
CAT# IN1928	
	CAS# [240823-06-7] Formula $C_{18}H_{12}N_2O_4S_3$ FW 416.49

Monomer-Triazole and Tetrazine Series

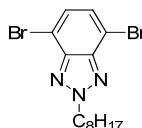
2-Octyl-1,2,3-benzotriazole

CAT# IN1027

CAS# [112642-69-0]
Formula $C_{14}H_{21}N_3$
FW 231.34

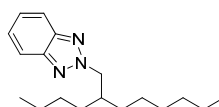
4,7-Dibromo-5,6-dinitro-2-propyl-2H-benzo[d][1,2,3]triazole

CAT# IN1891

CAS#
Formula $C_9H_7Br_2N_5O_4$
FW 408.99

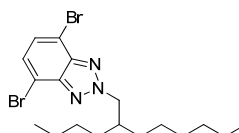
4,7-Dibromo-2-octyl-1,2,3-benzotriazole

CAT# IN1026

CAS# [960509-83-5]
Formula $C_{14}H_{19}Br_2N_3$
FW 389.13

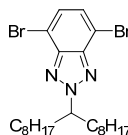
2-(2-Butyloctyl)-benzotriazole

CAT# IN1641

CAS# /
Formula $C_{18}H_{29}N_3$
FW 287.44

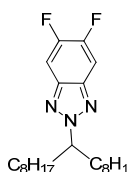
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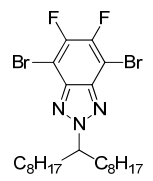
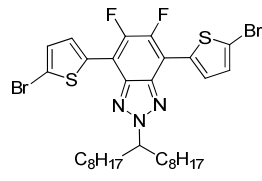
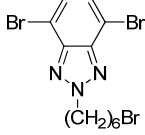
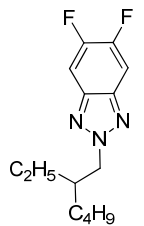
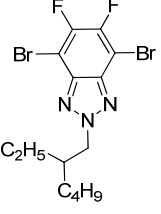
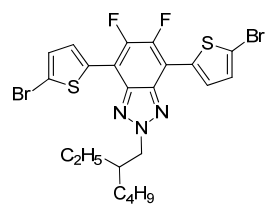
CAT# IN1642

CAS# [1329120-89-9]
Formula $C_{18}H_{27}Br_2N_3$
FW 445.24

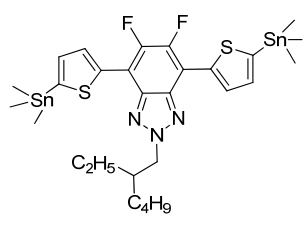
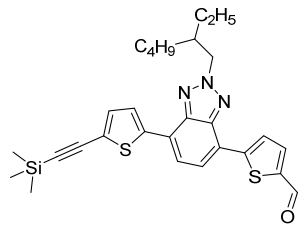
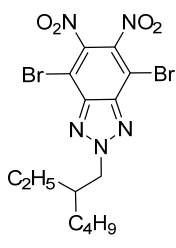
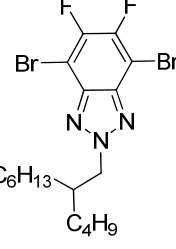
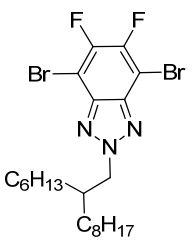
4,7-Dibromo-2-(heptadecan-9-yl)-2H-benzo[1,2,3]triazole

CAT# IN1645

CAS# [1312118-15-2]
Formula $C_{23}H_{37}Br_2N_3$
FW 515.37

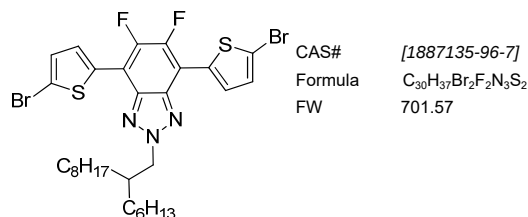
5,6-Difluoro-2-(heptadecan-9-yl)-2H-benzo[d][1,2,3]triazole

CAT# IN1315

CAS# [2241425-12-5]
Formula $C_{23}H_{37}F_2N_3$
FW 393.56

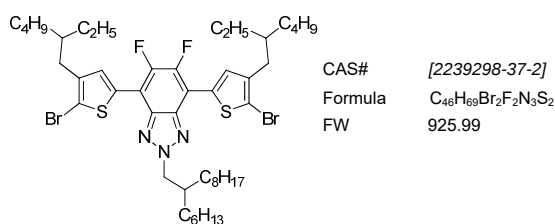
4,7-Dibromo-5,6-difluoro-2-(heptadecan-9-yl)-2H-benzo[d][1,2,3]triazole CAT# IN1646	 CAS# [1616860-69-5] Formula C₂₃H₃₅Br₂F₂N₃ FW 551.35
4,7-Bis(5-bromothiophen-2-yl)-5,6-difluoro-2-(heptadecan-9-yl)-2H-benzo[d][1,2,3]triazole CAT# IN1648	 CAS# [1616860-72-0] Formula C₃₁H₃₉Br₂F₂N₃S₂ FW 715.60
2-(6-Bromohexyl)-4,7-dibromobenzotriazole CAT# IN1033	 CAS# [890704-02-6] Formula C₁₂H₁₄Br₃N₃ FW 439.97
2-(2-Ethylhexyl)-5,6-difluoro-2H-benzo[d][1,2,3]triazole CAT# IN1371	 CAS# [2211181-64-3] Formula C₁₄H₁₉F₂N₃ FW 267.32
4,7-Dibromo-2-(2-ethylhexyl)-5,6-difluoro-2H-benzo[d][1,2,3]triazole CAT# IN1385	 CAS# [1916476-35-1] Formula C₁₄H₁₇Br₂F₂N₃ FW 425.11
4,7-Bis(5-bromothiophen-2-yl)-2-(2-ethylhexyl)-5,6-difluoro-2H-benzo[d][1,2,3]triazole CAT# IN1393	 CAS# [1476807-53-0] Formula C₂₂H₂₁Br₂F₂N₃S₂ FW 589.36

2-(2-Ethylhexyl)-5,6-difluoro-4,7-bis(5-(trimethylstannyl)thiophen-2-yl)-2H-benzo[d][1,2,3]triazole CAT# IN1394	 CAS# 2766787-21-5 Formula C₂₈H₃₉F₂N₃S₂Sn₂ FW 757.18
5-(2-(2-Ethylhexyl)-7-(5-((trimethylsilyl)ethynyl)thiophen-2-yl)-2H-benzo[d][1,2,3]triazol-4-yl)thiophene-2-carbaldehyde CAT# IN1900	 CAS# Formula C₂₈H₃₃N₃OS₂Si FW 519.80
4,7-Dibromo-2-(2-ethylhexyl)-5,6-dinitro-2H-benzo[d][1,2,3]triazole CAT# IN1794	 CAS# [1613460-25-5] Formula C₁₄H₁₇Br₂N₅O₄ FW 479.12
4,7-Dibromo-2-(2-butyloctyl)-5,6-difluoro-2H-benzo[d][1,2,3]triazole CAT# IN1386	 CAS# [1283099-24-0] Formula C₁₈H₂₅Br₂F₂N₃ FW 481.22
4,7-Dibromo-5,6-difluoro-2-(2-hexyldecyl)-2H-benzo[d][1,2,3]triazole CAT# IN1399	 CAS# [1563332-28-4] Formula C₂₂H₃₃Br₂F₂N₃ FW 537.32

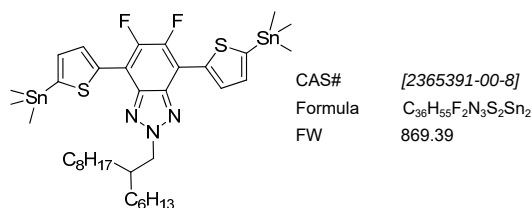
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CAT# IN1409



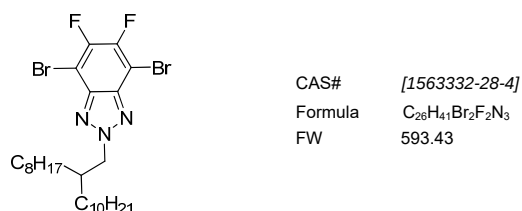
4,7-Bis(5-bromo-4-(2-ethylhexyl)thiophen-2-yl)-5,6-difluoro-2-(2-hexyldecyl)-2H-benzo[d][1,2,3]triazole
CAT# IN1798



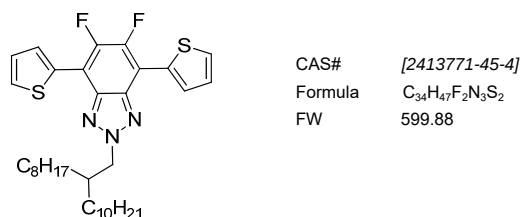
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CAT# IN1420



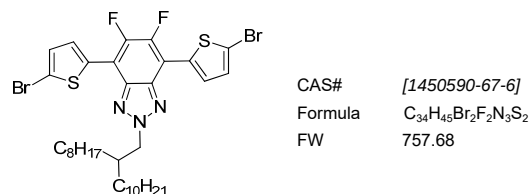
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CAT# IN1626



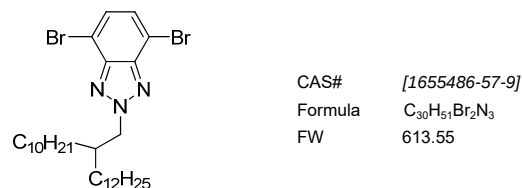
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CAT# IN1416



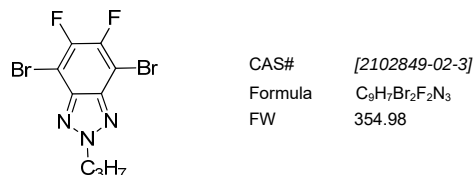
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CAT# IN1607



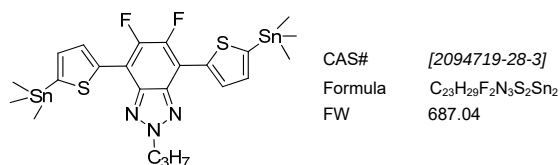
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CAT# IN1638



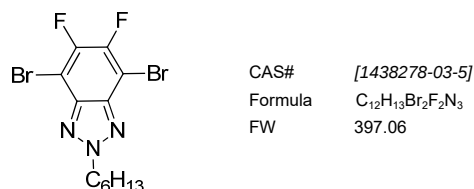
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CAT# IN1397



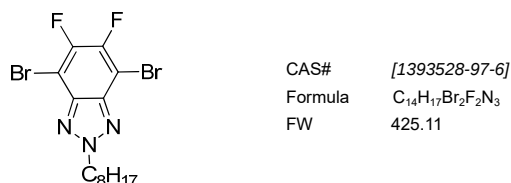
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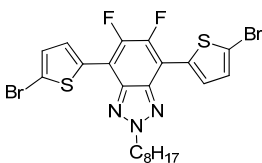
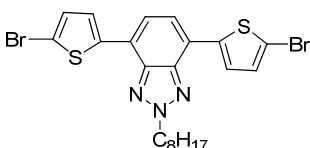
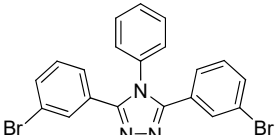
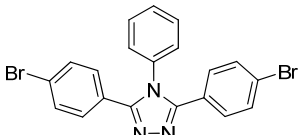
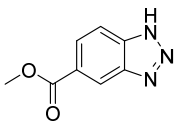
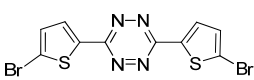
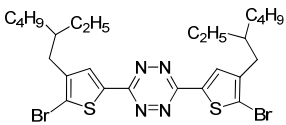


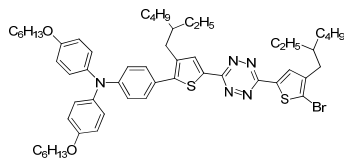
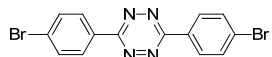
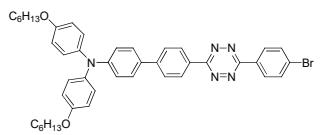
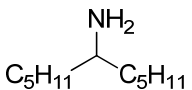
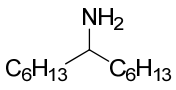
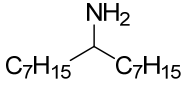
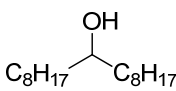
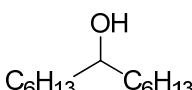
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CAT# IN1398

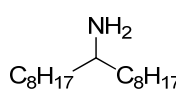
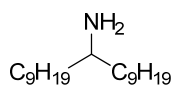
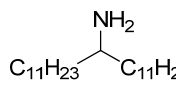
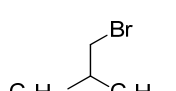
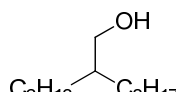
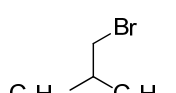
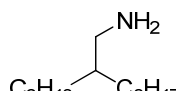
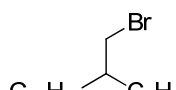
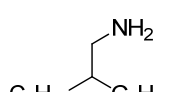


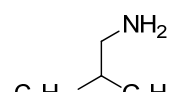
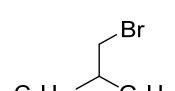
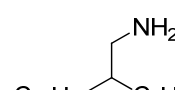
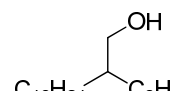
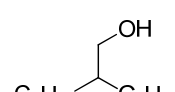
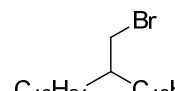
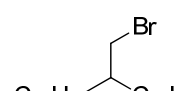
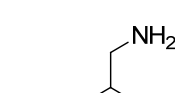
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CAT# IN1387

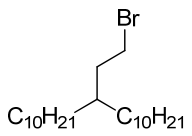
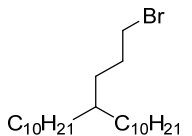
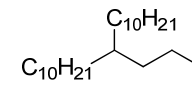
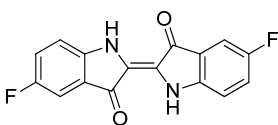
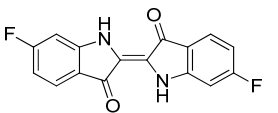
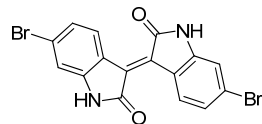
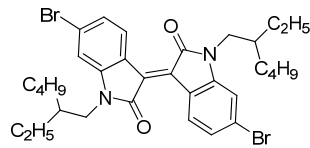
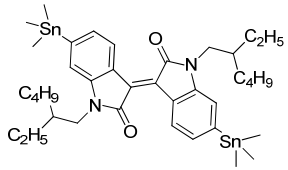
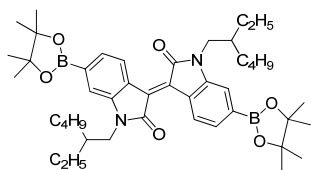
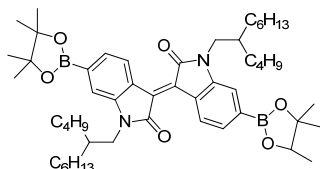
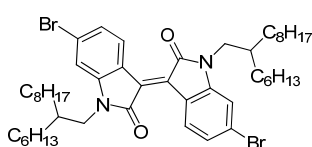
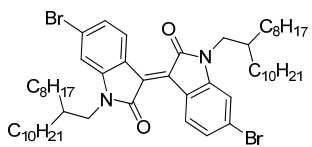
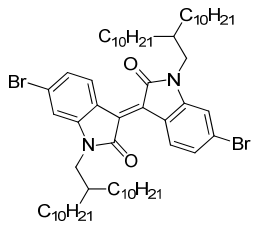


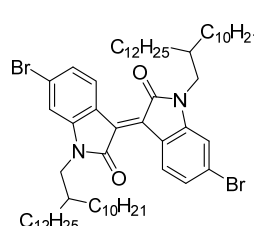
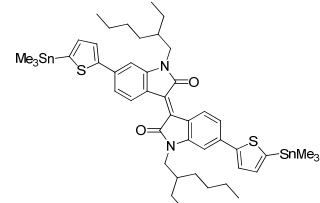
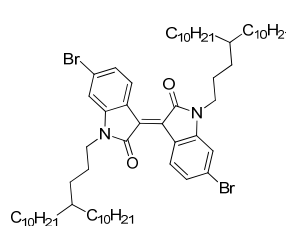
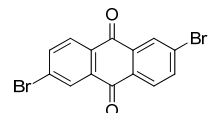
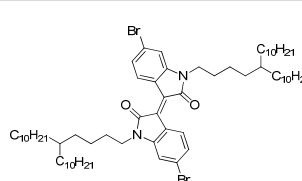
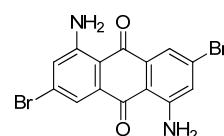
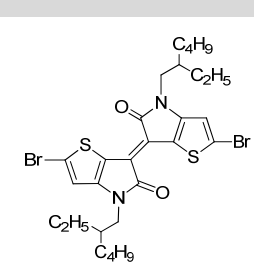
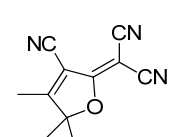
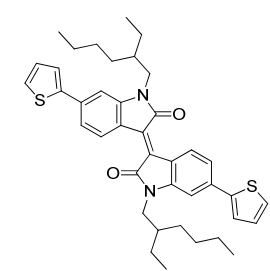
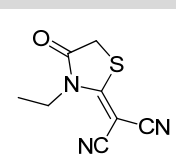
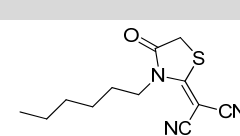
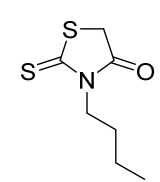
4,7-Bis(5-bromothiophen-2-yl)-5,6-difluoro-2-octyl-2H-benzo[d][1,2,3]triazole	
CAT# IN1388	
	CAS# [1393528-99-8] Formula $C_{22}H_{21}Br_2F_2N_3S_2$ FW 589.36
2-Octyl-4,7-di(5-bromo-thiophen-2-yl)-2H-benzo[d][1,2,3]triazole	
CAT# IN1047	
	CAS# [1254062-39-9] Formula $C_{22}H_{23}Br_2N_3S_2$ FW 553.38
3,5-Bis(3-bromophenyl)-4-phenyl-4H-1,2,4-triazole	
CAT# IN1066	
	CAS# [1198843-27-4] Formula $C_{20}H_{13}Br_2N_3$ FW 455.15
3,5-Bis(4-bromophenyl)-4-phenyl-4H-1,2,4-triazole	
CAT# IN1067	
	CAS# [208124-25-8] Formula $C_{20}H_{13}Br_2N_3$ FW 455.15
Methyl 1H-benzo[d][1,2,3]triazole-5-carboxylate	
CAT# IN2067	
	CAS# [113053-50-2] Formula $C_8H_7N_3O_2$ FW 177.16
3,6-Bis(5-bromothiophen-2-yl)-1,2,4,5-tetrazine	
CAT# IN1370	
	CAS# [1279083-60-1] Formula $C_{10}H_4Br_2N_4S_2$ FW 404.10
3,6-Bis(5-bromo-4-(2-ethylhexyl)thiophen-2-yl)-1,2,4,5-tetrazine	
CAT# IN1372	
	CAS# [1260224-09-6] Formula $C_{26}H_{36}Br_2N_4S_2$ FW 628.53

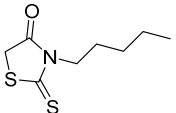
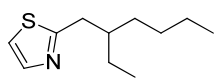
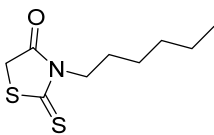
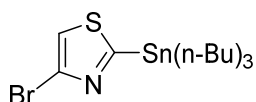
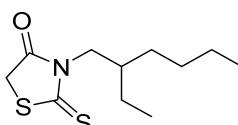
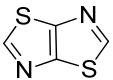
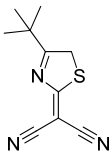
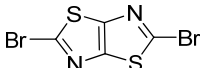
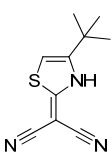
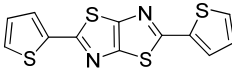
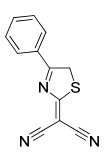
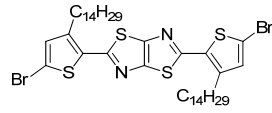
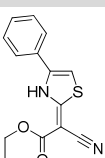
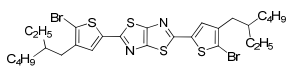
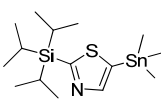
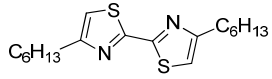
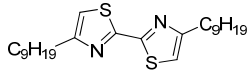
4-(5-(6-(5-Bromo-4-(2-ethylhexyl)thiophen-2-yl)-1,2,4,5-tetrazin-3-yl)-3-(2-ethylhexyl)thiophen-2-yl)-N,N-bis(4-(hexyloxy)phenyl)aniline	
CAT# IN1373	
	CAS# / Formula $C_{56}H_{74}BrN_5O_2S_2$ FW 993.25
3,6-Bis(4-bromophenyl)-1,2,4,5-tetrazine	
CAT# IN1378	
	CAS# [37932-46-0] Formula $C_{14}H_8Br_2N_4$ FW 392.05
4'-(6-(4-Bromophenyl)-1,2,4,5-tetrazin-3-yl)-N,N-bis(4-(hexyloxy)phenyl)-[1,1'-biphenyl]-4-amine	
CAT# IN1379	
	CAS# / Formula $C_{44}H_{46}BrN_5O_2$ FW 756.77
Intermediates-Alkyl Chain Series	
Undecan-6-amine	
CAT# IN1059	
	CAS# [33788-00-0] Formula $C_{11}H_{25}N$ FW 171.32
Tridecan-7-amine	
CAT# IN1826	
	CAS# [22513-16-2] Formula $C_{13}H_{29}N$ FW 199.38
Pentadecan-8-amine	
CAT# IN1827	
	CAS# [18618-64-9] Formula $C_{15}H_{33}N$ FW 227.43
Heptadecan-9-ol	
CAT# IN1051	
	CAS# [624-08-8] Formula $C_{17}H_{36}O$ FW 256.47
7-Tridecanol	
CAT# IN1851	
	CAS# [927-45-7] Formula $C_{13}H_{28}O$ FW 200.36

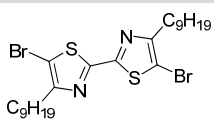
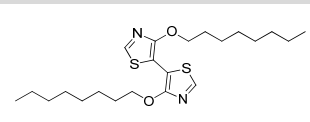
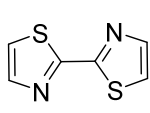
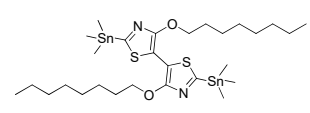
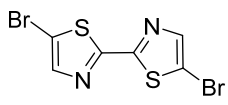
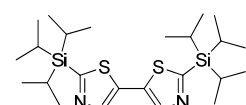
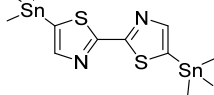
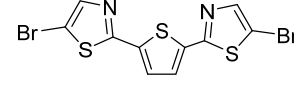
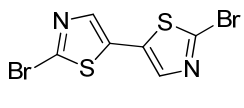
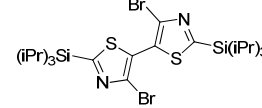
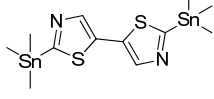
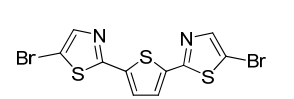
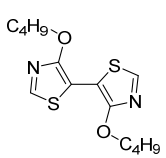
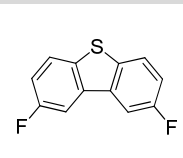
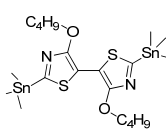
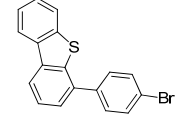
Heptadecan-9-amine			
CAT# IN1351			
	CAS#	[3241-20-1]	
	Formula	C ₁₇ H ₃₇ N	
	FW	255.48	
Nonadecan-10-amine			
CAT# IN1829			
	CAS#	[3241-23-4]	
	Formula	C ₁₉ H ₄₁ N	
	FW	283.54	
Tricosan-12-amine			
CAT# IN1890			
	CAS#	[22513-17-3]	
	Formula	C ₂₃ H ₄₉ N	
	FW	339.64	
5-(Bromomethyl)undecane			
CAT# IN1382			
	CAS#	[85531-02-8]	
	Formula	C ₁₂ H ₂₅ Br	
	FW	249.23	
2-Hexyldecane-1-ol			
CAT# IN1381			
	CAS#	[2425-77-6]	
	Formula	C ₁₆ H ₃₄ O	
	FW	242.44	
7-(Bromomethyl)pentadecane			
CAT# IN1383			
	CAS#	[52997-43-0]	
	Formula	C ₁₆ H ₃₃ Br	
	FW	305.34	
2-Hexyldecane-1-amine			
CAT# IN1352			
	CAS#	[62281-05-4]	
	Formula	C ₁₆ H ₃₅ N	
	FW	241.46	
9-(Bromomethyl)nonadecane			
CAT# IN1451			
	CAS#	[69620-20-8]	
	Formula	C ₂₀ H ₄₁ Br	
	FW	361.44	
2-Butyloctan-1-amine			
CAT# IN1452			
	CAS#	[217655-07-7]	
	Formula	C ₁₂ H ₂₇ N	
	FW	185.35	

2-Heptylundecan-1-amine			
CAT# IN1552			
	CAS#	[146408-34-6]	
	Formula	C ₁₈ H ₃₉ N	
	FW	269.51	
8-(Bomomethyl)heptadecane			
CAT# IN2052			
	CAS#	[82102-69-0]	
	Formula	C ₁₈ H ₃₇ Br	
	FW	333.40	
2-Octyldodecan-1-amine			
CAT# IN1049			
	CAS#	[62281-06-5]	
	Formula	C ₂₀ H ₄₃ N	
	FW	297.56	
2-Octyldodecan-1-ol			
CAT# IN1050			
	CAS#	[5333-42-6]	
	Formula	C ₂₀ H ₄₂ O	
	FW	298.55	
2-Hexyloctan-1-ol			
CAT# IN1836			
	CAS#	[19780-79-1]	
	Formula	C ₁₄ H ₃₀ O	
	FW	214.39	
11-(Bromomethyl)henicosane			
CAT# IN1057			
	CAS#	[1473452-21-9]	
	Formula	C ₂₂ H ₄₅ Br	
	FW	389.50	
11-(Bromomethyl)tricosane			
CAT# IN1148			
	CAS#	[732276-63-0]	
	Formula	C ₂₄ H ₄₉ Br	
	FW	417.55	
2-Decyltetradecan-1-amine			
CAT# IN1158			
	CAS#	[62281-07-6]	
	Formula	C ₂₄ H ₅₁ N	
	FW	353.67	

11-(2-Bromoethyl)henicosane		CAT# IN1058	
	CAS# Formula FW	[2229857-29-6] C ₂₃ H ₄₇ Br 403.52	
11-(3-Bromopropyl)henicosane		CAT# IN2157	
	CAS# Formula FW	[123613-16-1] C ₂₄ H ₄₉ Br 417.56	
11-(2-Iodoethyl)henicosane		CAT# OC1022	
	CAS# Formula FW	[1413918-62-3] C ₂₃ H ₄₇ I 450.52	
Monomer-Isoindigo (IID) Series			
(E)-5,5'-difluoro-[2,2'-biindolinylidene]-3,3'-dione		CAT# IN1353	
	CAS# Formula FW	 C ₁₆ H ₈ F ₂ N ₂ O ₂ 298.24	
(E)-6,6'-difluoro-[2,2'-biindolinylidene]-3,3'-dione		CAT# IN1354	
	CAS# Formula FW	[362-20-9] C ₁₆ H ₈ F ₂ N ₂ O ₂ 298.24	
(E)-6,6'-dibromo-[3,3'-biindolinylidene]-2,2'-dione		CAT# IN1359	
	CAS# Formula FW	[1147124-21-7] C ₁₆ H ₈ Br ₂ N ₂ O ₂ 420.05	
(E)-6,6'-dibromo-1,1'-bis(2-ethylhexyl)-[3,3'-biindolinylidene]-2,2'-dione		CAT# IN1360	
	CAS# Formula FW	[1147124-23-9] C ₃₂ H ₄₀ Br ₂ N ₂ O ₂ 644.48	
(E)-1,1'-bis(2-ethylhexyl)-6,6'-bis(trimethylstannyl)-[3,3'-biindolinylidene]-2,2'-dione		CAT# IN1362	
	CAS# Formula FW	 C ₃₈ H ₅₈ N ₂ O ₂ Sn ₂ 812.30	
(E)-1,1'-bis(2-ethylhexyl)-6,6'-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane-2-yl)-[3,3'-biindolinylidene]-2,2'-dione		CAT# IN1662	
	CAS# Formula FW	[1821433-54-8] C ₄₄ H ₆₄ B ₂ N ₂ O ₆ 738.61	
(E)-1,1'-bis(2-butyloctyl)-6,6'-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane-2-yl)-[3,3'-biindolinylidene]-2,2'-dione		CAT# IN1665	
	CAS# Formula FW	[2227382-74-1] C ₅₂ H ₈₀ B ₂ N ₂ O ₆ 850.821	
(E)-6,6'-dibromo-1,1'-bis(2-hexyldecyl)-[3,3'-biindolinylidene]-2,2'-dione		CAT# IN1367	
	CAS# Formula FW	[1147124-24-0] C ₄₈ H ₇₂ Br ₂ N ₂ O ₂ 868.91	
(E)-6,6'-dibromo-1,1'-bis(2-octyldecyl)-[3,3'-biindolinylidene]-2,2'-dione		CAT# IN1363	
	CAS# Formula FW	[1263379-85-6] C ₅₆ H ₈₈ Br ₂ N ₂ O ₂ 981.12	
(E)-6,6'-Dibromo-1,1'-bis(2-decyldecyl)-[3,3'-biindolinylidene]-2,2'-dione		CAT# IN1361	
	CAS# Formula FW	 C ₆₀ H ₉₆ Br ₂ N ₂ O ₂ 1037.22	

(E)-6,6'-dibromo-1,1'-bis(2-decyltetradecyl)-[3,3'-biindolinylidene]-2,2'-dione CAT# IN2163  CAS# [1801592-76-6] Formula $C_{64}H_{104}Br_2N_2O_2$ FW 1093.36	(E)-1,1'-bis(2-ethylhexyl)-6,6'-bis(5-(trimethylstannyl)thiophen-2-yl)-[3,3'-biindolinylidene]-2,2'-dione CAT# IN1366  CAS# Formula $C_{46}H_{62}N_2O_2S_2Sn_2$ FW 976.55
(E)-6,6'-Dibromo-1,1'-bis(4-decyltetradecyl)-[3,3'-biindolinylidene]-2,2'-dione CAT# IN1364  CAS# [1413918-79-2] Formula $C_{64}H_{104}Br_2N_2O_2$ FW 1093.33	2,6-Dibromoanthracene-9,10-dione CAT# IN1085  CAS# [633-70-5] Formula $C_{14}H_6Br_2O_2$ FW 366.00
(E)-6,6'-dibromo-1,1'-bis(5-decylpentadecyl)-[3,3'-biindolinylidene]-2,2'-dione CAT# IN1365  CAS# [1413918-81-6] Formula $C_{66}H_{108}Br_2N_2O_2$ FW 1121.38	1,5-Diamino-3,7-dibromoanthracene-9,10-dione CAT# IN1865  CAS# / Formula $C_{14}H_8Br_2N_2O_2$ FW 396.03
(E)-2,2'-dibromo-4,4'-bis(2-ethylhexyl)-[6,6'-bithieno[3,2-b]pyrrolylidene]-5,5'(4H,4H')-dione CAT# IN1368  CAS# [1147124-49-9] Formula $C_{26}H_{36}Br_2N_2O_2S_2$ FW 656.54	2-(3-Cyano-4,5,5-trimethylfuran-2(5H)-ylidene)malononitrile CAT# IN1602  CAS# [171082-32-9] Formula $C_{11}H_9N_3O$ FW 199.21
(E)-1,1'-bis(2-ethylhexyl)-6,6'-di(thiophen-2-yl)-[3,3'-biindolinylidene]-2,2'-dione CAT# IN1369  CAS# [1327155-08-7] Formula $C_{40}H_{48}N_2O_2S_2$ FW 650.94	Monomer-Bithiazole (BTZ) Series 2-(3-Ethyl-4-oxothiazolidin-2-ylidene)malononitrile CAT# IN1406  CAS# [623558-68-9] Formula $C_8H_7N_3OS$ FW 193.23 2-(3-Hexyl-4-oxothiazolidin-2-ylidene)malononitrile CAT# IN1408  CAS# [2084812-77-9] Formula $C_{12}H_{15}N_3OS$ FW 249.33 4-Thiazolidinone,3-butyl-2-thioxo- CAT# IN1679  CAS# [21494-64-4] Formula $C_7H_{11}NOS_2$ FW 189.30

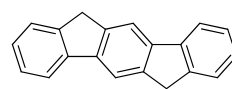
3-Pentyl-2-thioxothiazolidin-4-one CAT# IN1669	2-(2-Ethylhexyl)thiazole CAT# IN1784
 CAS# [56347-25-2] Formula C₈H₁₃NOS₂ FW 203.32	 CAS# Formula C₁₁H₁₉NS FW 197.34
3-Hexyl-2-thioxothiazolidin-4-one CAT# IN1726	4-Bromo-2-(tributylstannyl)thiazole CAT# IN2090
 CAS# [56347-27-4] Formula C₉H₁₅NOS₂ FW 217.35	 CAS# [173978-98-8] Formula C₁₅H₂₈BrNSSn FW 453.07
3-(2-Ethylhexyl)-2-thioxothiazolidin-4-one CAT# IN2036	Thiazolo[5,4-d]thiazole CAT# IN1400
 CAS# [100400-44-0] Formula C₁₁H₁₉NOS₂ FW 245.40	 CAS# [251-56-9] Formula C₄H₂N₂S₂ FW 142.20
2-(4-(Tert-butyl)thiazol-2(5H)-ylidene)malononitrile CAT# IN1407	2,5-Dibromothiazolo[5,4-d]thiazole CAT# IN1401
 CAS# 1454712-08-3 Formula C₁₀H₁₁N₃S FW 205.28	 CAS# [1040390-19-9] Formula C₄Br₂N₂S₂ FW 299.99
2-(4-(Tert-butyl)thiazol-2(3H)-ylidene)malononitrile CAT# IN2407	2,5-Di(thiophen-2-yl)thiazolo[5,4-d]thiazole CAT# IN1402
 CAS# [1360544-23-5] Formula C₁₀H₁₁N₃S FW 205.28	 CAS# [29608-87-5] Formula C₁₂H₆N₂S₄ FW 306.45
2-(4-Phenylthiazol-2(5H)-ylidene)malononitrile CAT# IN1412	2,5-Bis(5-bromo-3-tetradecylthiophen-2-yl)thiazolo[5,4-d]thiazole CAT# IN1404
 CAS# Formula C₁₂H₇N₃S FW 225.27	 CAS# Formula C₄₀H₆₀Br₂N₂S₄ FW 856.99
(E)-ethyl 2-cyano-2-(4-phenylthiazol-2(3H)-ylidene)acetate CAT# IN1415	2,5-Di(5-bromo-4-(2-ethylhexyl)thiophen-2-yl)-thiazolo[5,4-d]thiazole CAT# IN1405
 CAS# Formula C₁₄H₁₂N₂O₂S FW 272.32	 CAS# Formula C₂₈H₃₆Br₂N₂S₄ FW 688.67
2-(Triisopropylsilyl)-5-(trimethylstannyl)thiazole CAT# IN1543	4,4'-Diethyl-2,2'-bithiazole CAT# IN1143
 CAS# [1005196-16-6] Formula C₁₅H₃₁NSSiSn FW 404.27	 CAS# [180729-92-4] Formula C₁₈H₁₈N₂S₂ FW 336.56
	4,4'-Dinonyl-2,2'-bithiazole CAT# IN1034
	 CAS# [180729-91-3] Formula C₂₄H₄₀N₂S₂ FW 420.72

5,5'-Dibromo-4,4'-dinonyl-2,2'-bithiazole CAT# IN1035	4,4'-Bis(octyloxy)-5,5'-bithiazole CAT# IN1442
 CAS# [172100-44-6] Formula $C_{24}H_{38}Br_2N_2S_2$ FW 578.51	 CAS# / Formula $C_{22}H_{36}N_2O_2S_2$ FW 424.66
2,2'-Bithiazole CAT# IN2014	4,4'-Bis(octyloxy)-2,2'-bis(trimethylstannyl)-5,5'-bithiazole CAT# IN1443
 CAS# [13816-21-2] Formula $C_6H_4N_2S_2$ FW 168.23	 CAS# [2215018-37-2] Formula $C_{28}H_{52}N_2O_2S_2Sn_2$ FW 750.27
5,5'-Dibromo-2,2'-bithiazole CAT# IN1944	2,2'-Bis(triisopropylsilyl)-5,5'-bithiazole CAT# IN1635
 CAS# [216318-95-5] Formula $C_6H_2Br_2N_2S_2$ FW 326.02	 CAS# [1160067-11-7] Formula $C_{24}H_{44}N_2S_2Si_2$ FW 480.92
5,5'-Bis(trimethylstannyl)-2,2'-bithiazole CAT# IN1945	2,5-Bis(5-bromothiazol-2-yl)thiophene CAT# IN1444
 CAS# [156357-17-8] Formula $C_{12}H_{20}N_2S_2Sn_2$ FW 493.85	 CAS# [224453-08-1] Formula $C_{10}H_4Br_2N_2S_3$ FW 408.16
2,2'-Dibromo-5,5'-bithiazole CAT# IN1435	2,2'-Bis-triisopropylsilyl-4,4'-dibromo-5,5'-bithiazole CAT# IN1015
 CAS# [960069-36-7] Formula $C_6H_2Br_2N_2S_2$ FW 326.03	 CAS# [1223559-98-5] Formula $C_{24}H_{42}Br_2N_2S_2Si_2$ FW 638.71
2,2'-Bis(trimethylstannyl)-5,5'-bithiazole CAT# IN1436	2,5-Bis(5-bromothiazol-2-yl)thiophene CAT# IN1444
 CAS# Formula $C_{12}H_{20}N_2S_2Sn_2$ FW 493.85	 CAS# [224453-08-1] Formula $C_{10}H_4Br_2N_2S_3$ FW 408.16
4,4'-Dibutoxy-5,5'-bithiazole CAT# IN2140	2,8-Difluorodibenzo[b,d]thiophene CAT# OC1021
 CAS# / Formula $C_{14}H_{20}N_2O_2S_2$ FW 312.45	 CAS# [80017-76-1] Formula $C_{12}H_6F_2S$ FW 220.24
4,4'-Dibutoxy-2,2'-bis(trimethylstannyl)-5,5'-bithiazole CAT# IN1440	3,4-(4-Bromophenyl)dibenzo[b,d]thiophene CAT# OC1025
 CAS# [2432086-16-1] Formula $C_{20}H_{36}N_2O_2S_2Sn_2$ FW 638.06	 CAS# [530402-77-8] Formula $C_{18}H_{11}BrS$ FW 339.25

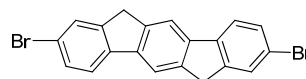
2,4-Dibromodibenzo[b,d]furan-3-amine	
CAT# OC1028	
	CAS# [133953-35-2] Formula $C_{12}H_7Br_2NO$ FW 341.00
2-Bromo-4-iododibenzo[b,d]furan	
CAT# OC1037	
	CAS# [1401068-25-4] Formula $C_{12}H_6BrIO$ FW 372.98
4-(4-Bromophenyl)dibenzo[b,d]furan	
CAT# OC1030	
	CAS# [955959-84-9] Formula $C_{18}H_{11}BrO$ FW 323.18
2-Bromophenanthrene	
CAT# OC1075	
	CAS# [62162-97-4] Formula $C_{14}H_9Br$ FW 257.1
5-Bromo-2-(thiophen-2-yl)pyridine	
CAT# IN1313	
	CAS# [91891-74-6] Formula C_9H_6BrNS FW 240.12
5-Bromo-2-(5-bromothiophen-2-yl)pyridine	
CAT# IN1314	
	CAS# [136902-53-9] Formula $C_9H_5Br_2NS$ FW 319.02
4-Bromo-1-(thiophen-2-yl)isoquinoline	
CAT# IN1316	
	CAS# [136902-53-9] Formula $C_{13}H_8BrNS$ FW 290.18
1-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)isoquinoline	
CAT# IN1596	
	CAS# [1316275-45-2] Formula $C_{15}H_{18}BNO_2$ FW 255.12

Monomer-Indenofluorene (IF) Series

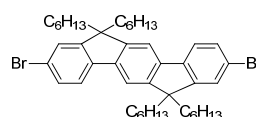
6,12-Dihydroindeno[1,2-b]fluorene


CAS# [486-52-2]
Formula $C_{20}H_{14}$
FW 254.33

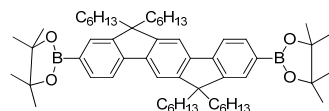
2,8-Dibromo-6,12-dihydroindeno[1,2-b]fluorene


CAS# [848982-57-0]
Formula $C_{20}H_{12}Br_2$
FW 412.12

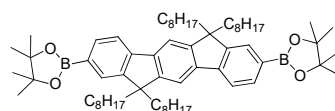
2,8-Dibromo-6,6,12,12-tetrahexyl-6,12-dihydroindeno[1,2-b]fluorene


CAS# [872705-69-6]
Formula $C_{44}H_{60}Br_2$
FW 748.76

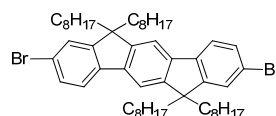
2,2'-(6,6,12,12-Tetrahexyl-6,12-dihydroindeno[1,2-b]fluorene-2,8-diyl) bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane)


CAS# [1210388-13-8]
Formula $C_{56}H_{84}B_2O_4$
FW 842.89

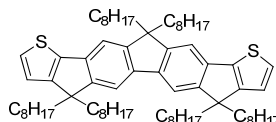
2,2'-(6,6,12,12-Tetraoctyl-6,12-dihydroindeno[1,2-b]fluorene-2,8-diyl) bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane)


CAS# [628303-20-8]
Formula $C_{64}H_{100}B_2O_4$
FW 955.10

2,8-Dibromo-6,6,12,12-tetraoctyl-6,12-dihydroindeno[1,2-b]fluorene

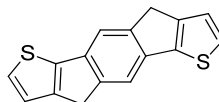

CAS# [264281-45-0]
Formula $C_{52}H_{76}Br_2$
FW 860.97

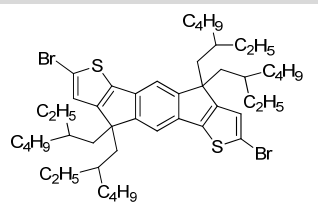
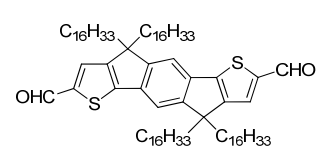
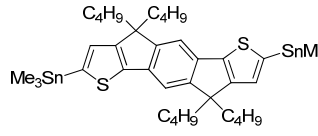
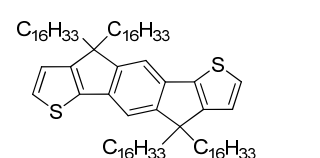
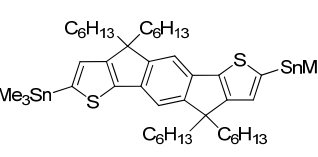
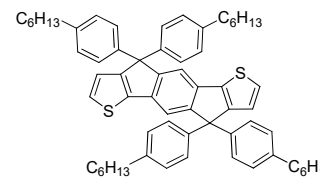
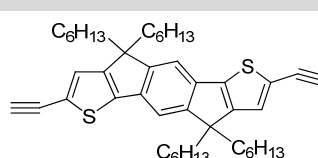
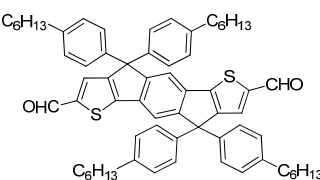
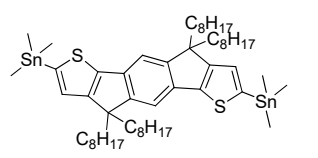
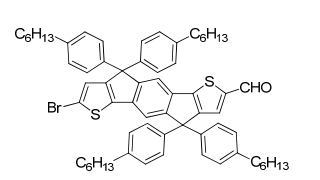
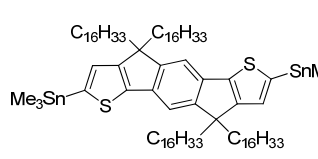
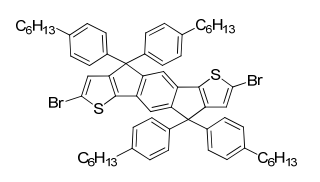
Cyclopenta[2'',1'':5,6;3'',4'':5',6']diindeno[1,2-b:1',2'-b']dithiophene

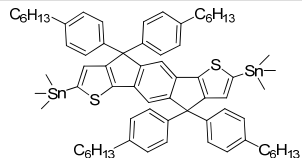
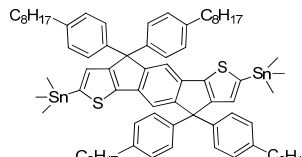
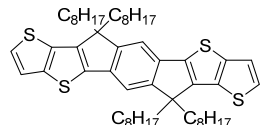
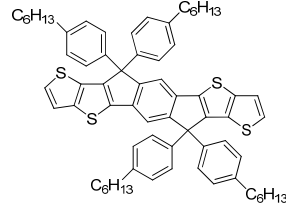
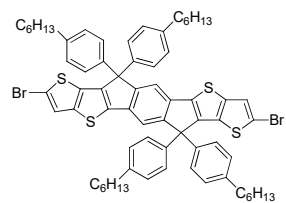
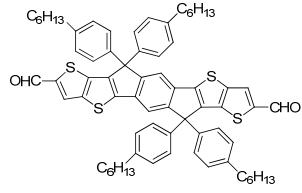

CAS# [1361061-16-6]
Formula $C_{71}H_{10}S_2$
FW 1027.76

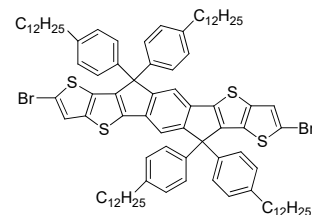
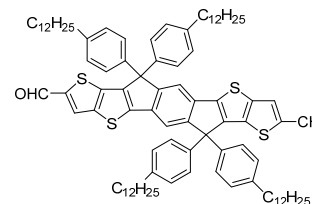
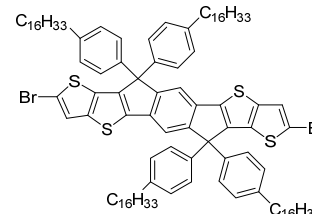
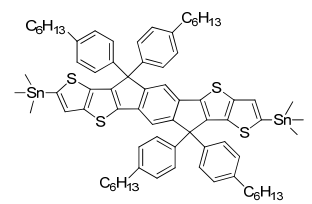
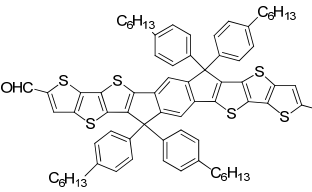
Monomer-Indacenodithiophene (IDT) Series

4,9-Dihydro-s-indaceno[1,2-b:5,6-b']dithiophene

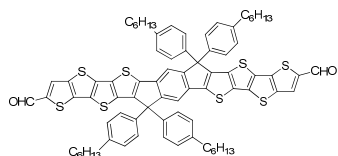

CAS# [1209012-31-6]
Formula $C_{16}H_{10}S_2$
FW 266.38

2,7-Dibromo-4,4,9,9-tetrakis(2-ethylhexyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene CAT# IN1410	4,4,9,9-Tetrahexadecyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-dicarbaldehyde ID-CHO CAT# IN1554
 CAS# Formula FW C₄₈H₇₂Br₂S₂ 873.02	 CAS# Formula FW [2177241-05-1] C₈₂H₁₃₈O₂S₂ 1220.10
(4,4,9,9-Tetraoctyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(trimethylstannane) CAT# IN1462	4,4,9,9-Tetrahexadecyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene CAT# IN1555
 CAS# Formula FW [2247824-99-1] C₃₈H₅₈S₂Sn₂ 816.42	 CAS# Formula FW [1209012-34-9] C₈₀H₁₃₈S₂ 1164.08
(4,4,9,9-Tetrahexyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(trimethylstannane) CAT# IN1469	4,4,9,9-Tetrakis(4-hexylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene CAT# IN1461
 CAS# Formula FW [2247825-00-7] C₆₈H₇₄S₂Sn₂ 928.63	 CAS# Formula FW [1049034-67-4] C₆₄H₇₄S₂ 907.40
2,7-Diethynyl-4,4,9,9-tetrahexyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene CAT# IN1541	4,4,9,9-Tetrakis(4-hexylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-dicarbaldehyde CAT# IN1463
 CAS# Formula FW [2383018-88-8] C₄₄H₅₈S₂ 651.06	 CAS# Formula FW [1884694-93-2] C₆₈H₇₄O₂S₂ 963.42
(4,4,9,9-Tetraoctyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(trimethylstannane) CAT# IN1633	7-Bromo-4,4,9,9-tetrakis(4-hexylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2-carbaldehyde CAT# IN1464
 CAS# Formula FW [1357250-67-9] C₅₄H₉₀S₂Sn₂ 1040.84	 CAS# Formula FW [1361418-07-6] C₆₅H₇₃BrO₂S₂ 1014.31
(4,4,9,9-Tetrahexadecyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(trimethylstannane) ID-2Sn CAT# IN1553	2,7-Dibromo-4,4,9,9-tetrakis(4-hexylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene CAT# IN1465
 CAS# Formula FW [1628951-38-1] C₉₆H₁₅₄S₂Sn₂ 1489.69	 CAS# Formula FW [1049034-71-0] C₆₄H₇₂Br₂S₂ 1065.19

(4,4,9,9-Tetrakis(4-hexylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(trimethylstannane)	
CAT# IN1466	
	CAS# [1252555-61-5] Formula $C_{70}H_{90}S_2Sn_2$ FW 1233.01
(4,4,9,9-Tetrakis(4-octylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(trimethylstannane)	
CAT# IN1438	
	CAS# [1433218-20-2] Formula $C_{78}H_{106}S_2Sn_2$ FW 1345.23
1,1'-(6,12-Dihydro-6,6,12,12-tetraoctyldithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene	
CAT# IN1718	
	CAS# Formula $C_{52}H_{74}S_4$ FW 827.40
6,6,12,12-Tetrakis(4-hexylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene	
CAT# IN1868	
	CAS# [1420071-64-2] Formula $C_{68}H_{74}S_4$ FW 1019.58
6,6,12,12-Tetrakis(4-hexylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene-2,8-dibromo	
CAT# IN1869	
	CAS# [2227361-27-3] Formula $C_{68}H_{72}Br_2S_4$ FW 1177.37
6,6,12,12-Tetrakis(4-hexylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene-2,8-dicarboxaldehyde	
CAT# IN1468	
	CAS# [1878125-76-8] Formula $C_{70}H_{74}O_2S_4$ FW 1075.60

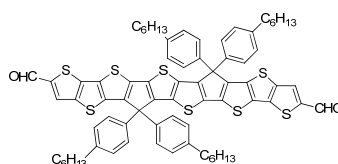
6,6,12,12-Tetrakis(4-dodecylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene-2,8-dibromo	
CAT# IN1877	
	CAS# Formula $C_{92}H_{120}Br_2S_4$ FW 1514.01
6,6,12,12-Tetrakis(4-dodecylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene-2,8-dicarboxaldehyde	
CAT# IN1878	
	CAS# [2287180-54-3] Formula $C_{94}H_{122}O_2S_4$ FW 1412.23
6,6,12,12-Tetrakis(4-cetylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene-2,8-dicarboxaldehyde	
CAT# IN1879	
	CAS# [1420472-87-2] Formula $C_{108}H_{152}Br_2S_4$ FW 1738.43
6,6,12,12-Tetrakis(4-hexylphenyl)-6,12-dihydrodithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene-2,8-bis(trimethylstannane)	
CAT# IN1419	
	CAS# [1420071-65-3] Formula $C_{74}H_{90}S_4Sn_2$ FW 1345.19
6,6,12,12-Tetrakis(4-hexylphenyl)-6,12-dihydrodithieno[3,2-b:2',3'-d']thiophene-s-indacenodithieno[3,2-b:2',3'-d']thiophene-2,8-dicarboxaldehyde	
CAT# IN1818	
	CAS# [2085792-42-1] Formula $C_{74}H_{74}O_2S_6$ FW 1187.77

Bisthieno[2'',3''':4',5']thieno[2',3':4,5]thieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene-2,10-dicarboxaldehyde,7,7,15,15-tetrakis(4-hexylphenyl)-7,15-dihydro-
IDTTTTB6-2CHO **CAT# IN1819**



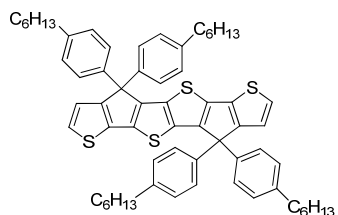
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 Formula C₇₈H₇₄O₂S₈
 FW 1299.94

CAT# IN1823



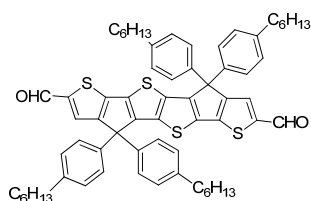
CAS# /
 Formula C₇₄H₇₂O₂S₈
 FW 1249.88

4,4,9,9-Tetrakis(4-hexylphenyl)-4,9-dihydro-Thieno[3',2':4,5]cyclopenta[1,2-b]thieno[2'',3''':3',4']cyclopenta[1',2':4,5]thieno[2,3-d]thiophene
CAT# IN1814



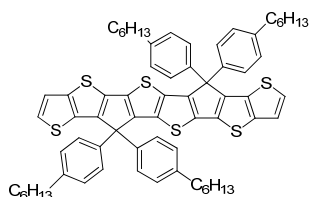
CAS# [1343457-63-5]
 Formula C₆₄H₇₂S₄
 FW 969.52

4,4,9,9-Tetrakis(4-hexylphenyl)-4,9-dihydro-Thieno[3',2':4,5]cyclopenta[1,2-b]thieno[2'',3''':3',4']cyclopenta[1',2':4,5]thieno[2,3-d]thiophene-2,7-dicarbaldehyde
CAT# IN1824



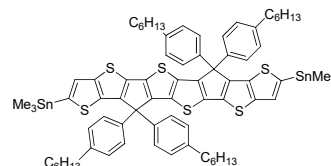
CAS# [2127354-14-5]
 Formula C₆₆H₇₂O₂S₄
 FW 1025.54

6,6,12,12-tetrakis(4-hexylphenyl)-6,12-dihydro-Thieno[2'',3''':4',5']thieno[3',2':4,5]cyclopenta[1,2-b]thieno[2'',3''':4'',5'']thieno[2'',3''':3',4']cyclopenta[1',2':4,5]thieno[2,3-d]thiophene
CAT# IN1830



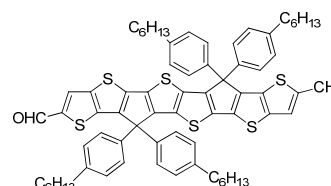
CAS# /
 Formula C₆₈H₇₂S₆
 FW 1081.69

6,6,12,12-tetrakis(4-hexylphenyl)-6,12-dihydro-Thieno[2'',3''':4',5']thieno[3',2':4,5]cyclopenta[1,2-b]thieno[2'',3''':4'',5'']thieno[2'',3''':3',4']cyclopenta[1',2':4,5]thieno[2,3-d]thiophene-2,8-bis(trimethyltin)
CAT# IN1831



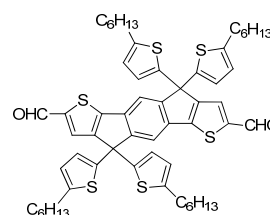
CAS# [2460055-07-4]
 Formula C₇₄H₈₈Sn₂
 FW 1407.30

6,6,12,12-tetrakis(4-hexylphenyl)-6,12-dihydro-Thieno[2'',3''':4',5']thieno[3',2':4,5]cyclopenta[1,2-b]thieno[2'',3''':4'',5'']thieno[2'',3''':3',4']cyclopenta[1',2':4,5]thieno[2,3-d]thiophene-2,8-dicarboxaldehyde
CAT# IN1832



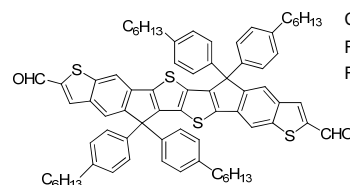
CAS# [2243047-94-9]
 Formula C₇₀H₇₂O₂S₆
 FW 1137.71

4,4,9,9-Tetrakis(5-hexylthiophen-2-yl)-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-dicarbaldehyde
CAT# IN1812



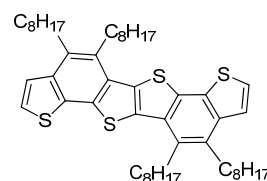
CAS# /
 Formula C₅₈H₆₆O₂S₆
 FW 987.53

CAT# IN1853



CAS# /
 Formula C₇₄H₇₆O₂S₄
 FW 1125.65

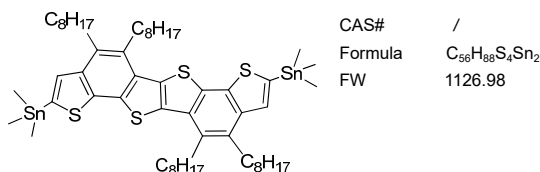
4,5,10,11-Tetraoctyl-thieno[3,2-g]thieno[3',2':6,7][1]benzothieno[3,2-b][1]benzothiophene
CAT# IN1858



CAS# /
 Formula C₅₀H₇₂S₄
 FW 801.37

4,5,10,11-Tetraoctyl-thieno[3,2-g]thieno[3',2':6,7][1]benzothieno[3,2-b][1]benzothiophene-2,8-bis(trimethylstannane)

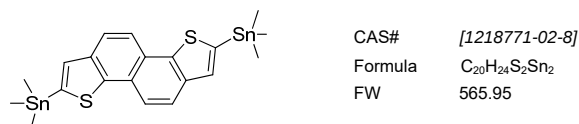
CAT# IN1857


Monomer-Naphthodithiophene Series
Naphtho[1,2-b:5,6-b']dithiophene

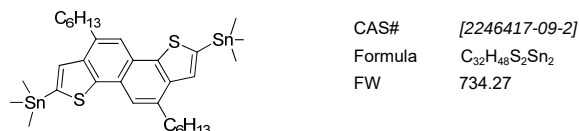
CAT# IN1522


2,7-Bis(trimethylstannyl)naphtho[1,2-b:5,6-b']dithiophene

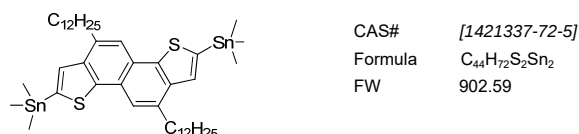
CAT# IN1523


(5,10-Dihexylnaphtho[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(trimethylstannane)

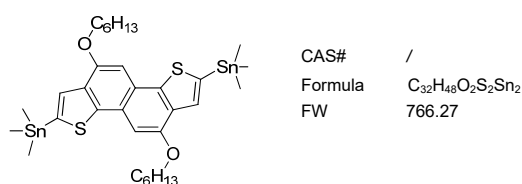
CAT# IN1524


(5,10-Didodecyl)naphtho[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(trimethylstannane)

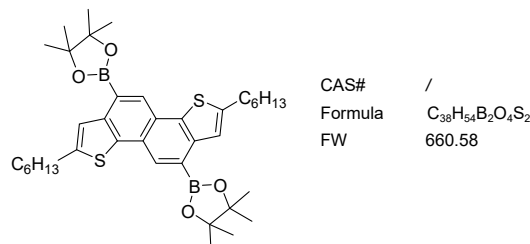
CAT# IN1525


(5,10-Bis(hexyloxy)naphtho[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(trimethylstannane)

IN1527


2,2'-(2,7-Dihexylnaphtho[1,2-b:5,6-b']dithiophene-5,10-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane)

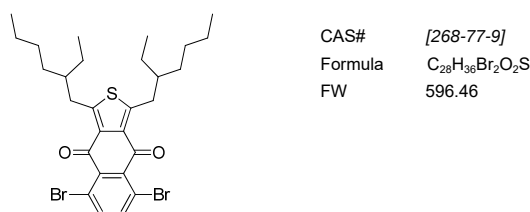
IN1582


Naphtho[2,3-b]thiophene

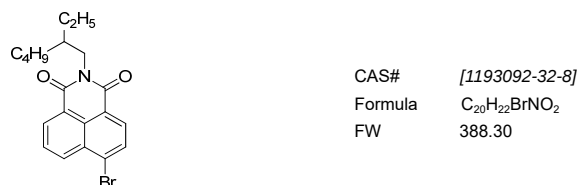
IN1721


5,8-Dibromo-1,3-bis(2-ethylhexyl)naphtho[2,3-c]thiophene-4,9-dione

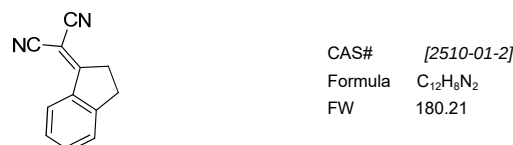
IN1752


6-Bromo-2-(2-ethylhexyl)-1H-benzo[de]isoquinoline-1,3(2H)-dione

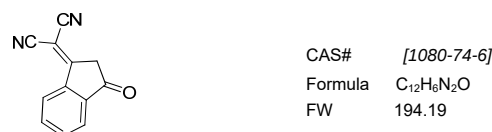
CAT# IN1267

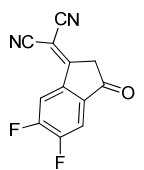
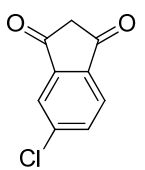
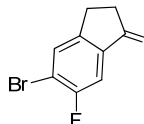
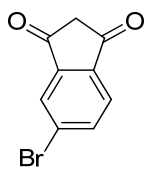
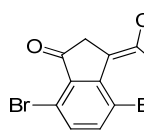
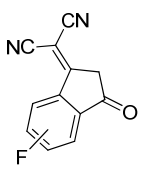
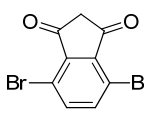
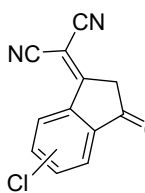
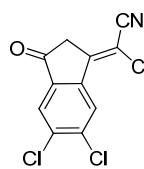
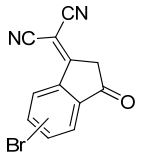
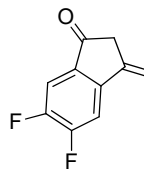
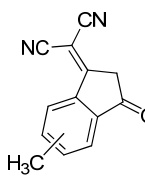
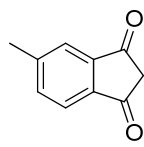
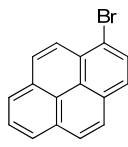

Monomer-Indanone-Cyano (IC) Series
2-(2,3-Dihydro-1H-inden-1-ylidene)malononitrile

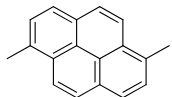
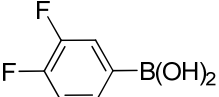
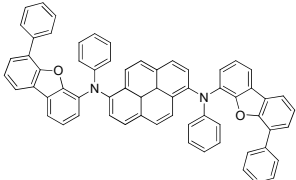
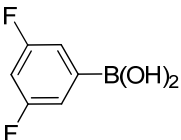
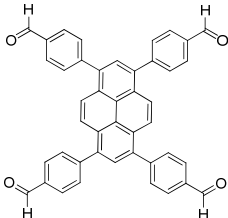
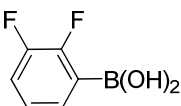
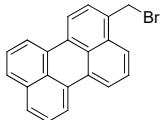
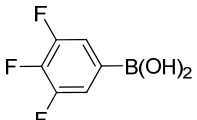
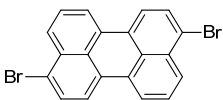
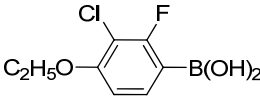
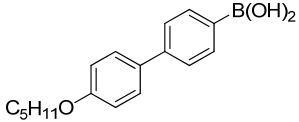
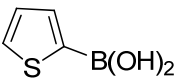
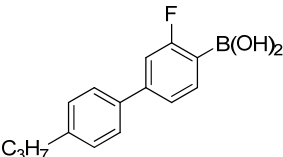
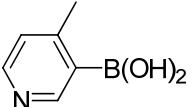
CAT# OC1167

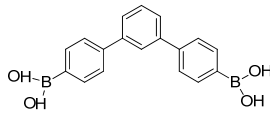
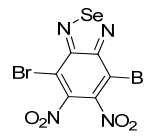
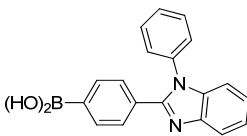
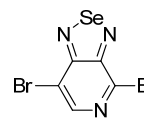
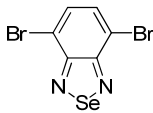
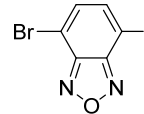
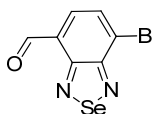
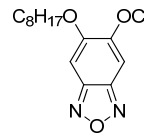
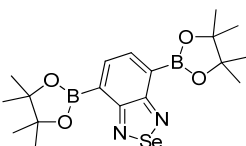
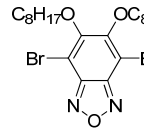
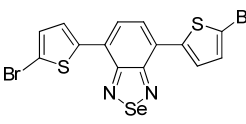
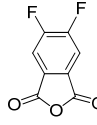
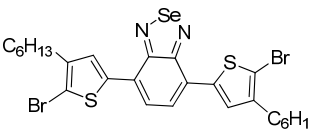
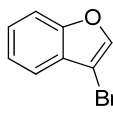
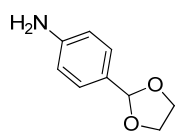

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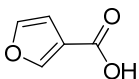
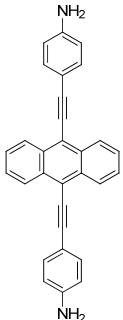
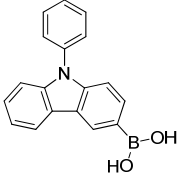
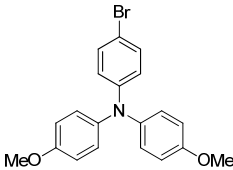
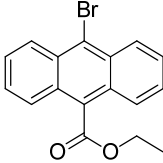
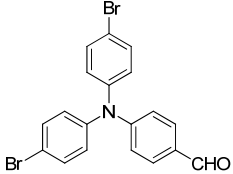
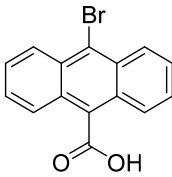
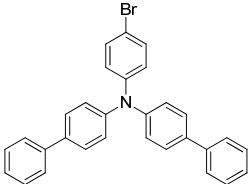
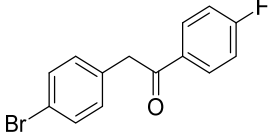
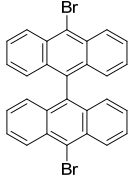
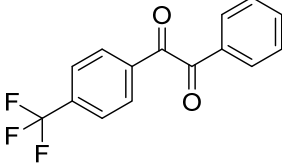
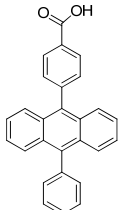
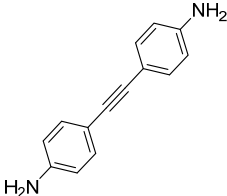
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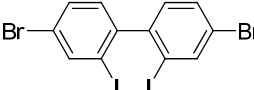
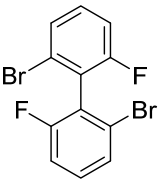
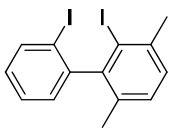
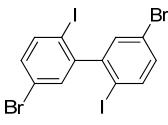
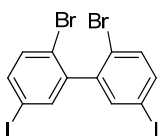
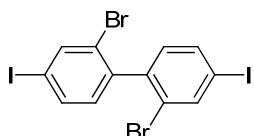
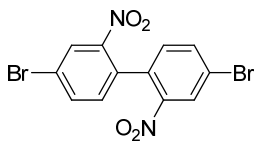


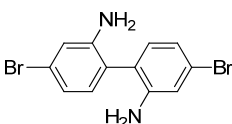
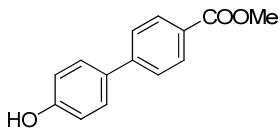
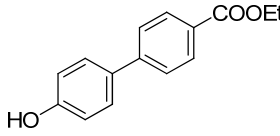
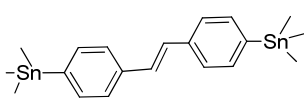
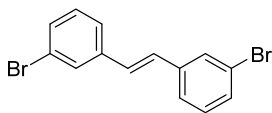
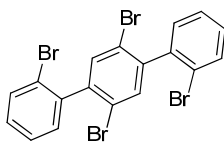
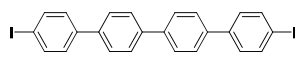
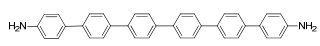
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5-Bromo-6-fluoro-2,3-dihydro-1H-inden-1-one CAT# OC1198  CAS# [866862-25-1] Formula C_9H_6BrFO FW 229.05	5-Bromo-1,3-indandione CAT# OC1148  CAS# [27611-39-8] Formula $C_9H_5BrO_2$ FW 225.04
2-(4,7-Dibromo-3-oxo-2,3-dihydro-1H-inden-1-ylidene)malononitrile CAT# OC1192  CAS# / Formula $C_{12}H_4Br_2N_2O$ FW 351.98	2-((5)6-Fluoro-3-oxo-2,3-dihydro-1H-inden-1-ylidene)malononitrile CAT# OC1179  CAS# [507484-54-0] Formula $C_{13}H_9FN_2O$ FW 228.22
4,7-Dibromo-1H-indene-1,3(2H)-dione CAT# OC1194  CAS# / Formula $C_9H_4Br_2O_2$ FW 303.93	2-((5)6-Chlorine-3-oxo-2,3-dihydro-1H-inden-1-ylidene)malononitrile CAT# OC1184  CAS# / Formula $C_{12}H_4ClN_2O$ FW 228.63
2-(5,6-Dichloro-3-oxo-2,3-dihydro-1H-inden-1-ylidene)malononitrile CAT# OC1183  CAS# [2197167-50-1] Formula $C_{12}H_4Cl_2N_2O$ FW 263.08	2-((5)6-Bromo-3-oxo-2,3-dihydro-1H-inden-1-ylidene)malononitrile CAT# OC1177  CAS# [507484-47-1] Formula $C_{12}H_5BrN_2O$ FW 273.08
5,6-Difluoro-1H-indene-1,3(2H)-dione CAT# OC1189  CAS# [1454686-04-4] Formula $C_9H_4F_2O_2$ FW 182.12	2-((5)6-Methyl-3-oxo-2,3-dihydro-1H-inden-1-ylidene)malononitrile CAT# OC1176  CAS# [2047352-75-8] Formula $C_{13}H_8N_2O$ FW 208.22
5-Methyl-1H-indene-1,3(2H)-dione CAT# OC1146  CAS# [50919-77-2] Formula $C_{10}H_8O_2$ FW 160.17	Monomer- Pyrene Series 1-Bromopyrene CAT# IN1080  CAS# [1714-29-0] Formula $C_{16}H_9Br$ FW 281.15

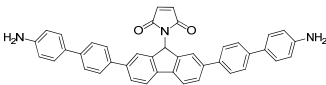
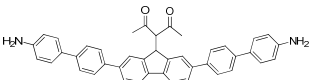
1,6-Dimethylpyrene CAT# IN2080	3,4-Difluorophenylboronic acid CAT# BA105
 CAS# [27984-16-3] Formula C₁₈H₁₄ FW 230.31	 CAS# [168267-41-2] Formula C₆H₅BF₂O₂ FW 157.91
N',N'-diphenyl-N',N'-bis(6-phenyldibenzo[b,d]furan-4-yl)-3a',5a'-dihydropyrene-1,6-diamine CAT# IN1675	3,5-Difluorophenylboronic acid CAT# BA106
 CAS# [1252914-65-0] Formula C₆₄H₄₀N₂O₂ FW 871.03	 CAS# [156545-07-2] Formula C₆H₅BF₂O₂ FW 157.91
4,4',4'',4'''-(Pyrene-1,3,6,8-tetrayl)tetrabenzaldehyde CAT# IN1674	2,3-Difluorophenylboronic acid CAT# BA107
 CAS# [1415238-25-3] Formula C₄₄H₂₆O₄ FW 618.67	 CAS# [121219-16-7] Formula C₆H₅BF₂O₂ FW 157.91
1-Bromopyrene CAT# IN1081	3,4,5-Trifluorophenylboronic acid CAT# BA108
 CAS# [1160604-36-3] Formula C₂₁H₁₃Br FW 345.23	 CAS# [143418-49-9] Formula C₆H₄BF₃O₂ FW 175.90
3,9-Dibromoperylene CAT# IN1781	3-Chloro-4-ethoxy-2-fluorophenylboronic acid CAT# BA111
 CAS# [56752-35-3] Formula C₂₀H₁₀Br₂ FW 410.10	 CAS# [909122-50-5] Formula C₈H₉BClFO₃ FW 218.42
Other Intermediates	4'-(Pentyloxy)biphenyl-4-ylboronic acid CAT# BA115
Thiophen-2-ylboronic acid CAT# BA025	 CAS# [158937-25-8] Formula C₁₇H₂₁BO₃ FW 284.16
 CAS# [6165-68-0] Formula C₄H₅BO₂S FW 127.96	3-Fluoro-4'-propylbiphenyl-4-ylboronic acid CAT# BA118
4-Methylpyridine-3-boronic acid CAT# BA030	 CAS# [909709-42-8] Formula C₁₅H₁₆BFO₂ FW 258.10
 CAS# [148546-82-1] Formula C₆H₈BNO₂ FW 136.94	

[1,1':3',1''-Terphenyl]-4,4''-diylboronic acid CAT# BA120  CAS# / Formula $C_{18}H_{16}B_2O_4$ FW 317.94	4,7-Dibromo-5,6-dinitrobenzo[c][1,2,5]selenadiazole CAT# IN1809  CAS# [711026-22-1] Formula $C_6Br_2N_4O_4Se$ FW 430.86
4-(1-Phenyl-1H-benzo[d]imidazol-2-yl)phenylboronic acid CAT# BA122  CAS# [952514-79-3] Formula $C_{19}H_{15}BN_2O_2$ FW 314.15	4,7-Dibromo-[1,2,5]selenadiazolo[3,4-c]pyridine CAT# IN1802  CAS# [1454601-12-7] Formula $C_5HBr_2N_3Se$ FW 341.85
4,7-Dibromo-2,1,3-benzoselenadiazole CAT# IN1030  CAS# [63224-42-0] Formula $C_6H_2Br_2N_2Se$ FW 340.86	4,7-Dibromo-2,1,3-benzoxadiazole CAT# IN2040  CAS# [54286-63-4] Formula $C_6H_2Br_2N_2O$ FW 277.90
7-Bromobenzo[c][1,2,5]selenadiazole-4-carbaldehyde CAT# IN1933  CAS# [1543042-73-4] Formula $C_7H_3BrN_2OSe$ FW 289.98	5,6-Bis(octyloxy)benzo[c][1,2,5]oxadiazole CAT# IN1042  CAS# [1314801-34-7] Formula $C_{22}H_{36}N_2O_3$ FW 376.53
4,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)benzo[c][1,2,5]selenadiazole CAT# IN1801  CAS# Formula $C_{18}H_{26}B_2N_2O_4Se$ FW 434.99	4,7-Dibromo-5,6-bis(octyloxy)benzo-2,1,3-oxadiazole CAT# IN1043  CAS# [1314801-35-8] Formula $C_{22}H_{34}Br_2N_2O_3$ FW 534.32
4,7-Bis(5-bromothiophen-2-yl)benzo[c][1,2,5]selenadiazole CAT# IN1031  CAS# [534591-72-5] Formula $C_{14}H_6Br_2N_2S_2Se$ FW 505.11	5,6-Difluoroisobenzofuran-1,3-dione CAT# IN1421  CAS# [18959-30-3] Formula $C_8H_2F_2O_3$ FW 184.10
4,7-Bis(5-bromo-4-hexylthiophen-2-yl)benzo[c][1,2,5]selenadiazole CAT# IN1805  CAS# [1256447-82-1] Formula $C_{28}H_{30}Br_2N_2S_2Se$ FW 673.43	3-Bromobenzofuran CAT# IN1893  CAS# [59214-70-9] Formula C_8H_5BrO FW 197.03
	4-(1,3-Dioxolan-2-yl)aniline CAT# OC1023  CAS# [19073-14-4] Formula $C_9H_{11}NO_2$ FW 165.19

Furan-3-carboxylic acid CAT# OC1024	4,4'-(Anthracene-9,10-diylbis(ethyne-2,1-diyl))dianiline AABA CAT# IN1862
 CAS# [488-93-7] Formula C₅H₄O₃ FW 112.08	 CAS# [1186580-77-7] Formula C₃₀H₂₀N₂ FW 408.49
9-Phenyl-9H-carbazol-3-ylboronic acid CAT# IN1065	
 CAS# [854952-58-2] Formula C₁₈H₁₄BNO₂ FW 287.12	
4-Bromo-N,N-bis(4-methoxyphenyl)aniline CAT# IN1377	
 CAS# [194416-45-0] Formula C₂₀H₁₈BrNO₂ FW 384.27	Ethyl 10-bromoanthracene-9-carboxylate CAT# IN1984
4-[Bis-(4-bromophenyl)amino]benzaldehyde CAT# IN1044	 CAS# [1089318-91-1] Formula C₁₇H₁₃BrO₂ FW 329.19
 CAS# [25069-38-9] Formula C₁₉H₁₃Br₂NO FW 431.12	10-Bromoanthracene-9-carboxylic acid CAT# IN1985
N-([1,1'-biphenyl]-4-yl)-N-(4-bromophenyl)-[1,1'-biphenyl]-4-amine CAT# IN1380	 CAS# [6929-81-3] Formula C₁₅H₉BrO₂ FW 301.13
 CAS# [499128-71-1] Formula C₃₀H₂₂BrN FW 476.41	2-(4-Bromophenyl)-1-(4-fluorophenyl)ethan-1-one CAT# IN2099
10,10'-Dibromo-9,9'-bianthryl CAT# IN1082	 CAS# [1026709-79-4] Formula C₁₄H₁₀BrFO FW 293.14
 CAS# [121848-75-7] Formula C₂₈H₁₆Br₂ FW 512.23	1-Phenyl-2-(4-(trifluoromethyl)phenyl)ethane-1,2-dione CAT# IN2098
4-(10-Phenylanthracen-9-yl)benzoic acid CAT# IN1282	 CAS# [35923-45-6] Formula C₁₅H₉F₃O₂ FW 278.23
 CAS# [1877285-47-6] Formula C₂₇H₁₈O₂ FW 374.43	4,4'-(Ethyne-1,2-diyl)dianiline CAT# IN1863
	 CAS# [6052-15-9] Formula C₁₄H₁₂N₂ FW 208.26

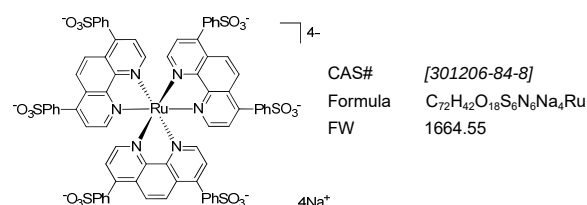
4,4'-Dibromo-2,2'-diiodobiphenyl		CAT# IN1083	
	CAS# Formula FW	[852138-89-7] $C_{12}H_6Br_2I_2$ 563.79	
2,2'-Bibromo-6,6'-difluoro-1,1'-biphenyl		CAT# IN2184	
	CAS# Formula FW	[1316276-94-4] $C_{12}H_6Br_2F_2$ 347.98	
2,2'-Diiodo-3,6-dimethyl-1,1'-biphenyl		CAT# IN1077	
	CAS# Formula FW	 $C_{14}H_{12}I_2$ 434.05	
5,5'-Dibromo-2,2'-diiodobiphenyl		CAT# IN1483	
	CAS# Formula FW	[873792-52-0] $C_{12}H_6Br_2I_2$ 563.79	
2,2'-Dibromo-5,5'-diiodobiphenyl		CAT# IN1484	
	CAS# Formula FW	[852139-02-7] $C_{12}H_6Br_2I_2$ 563.79	
2,2'-Dibromo-4,4'-diiodobiphenyl		CAT# IN1485	
	CAS# Formula FW	[852138-93-3] $C_{12}H_6Br_2I_2$ 563.79	
4,4'-Dibromo-2,2'-dinitrobiphenyl		CAT# IN1486	
	CAS# Formula FW	[91371-12-9] $C_{12}H_6Br_2N_2O_4$ 345.98	

4,4'-Dibromobiphenyl-2,2'-diamine		CAT# IN1487	
	CAS# Formula FW	[136630-36-9] $C_{12}H_{10}Br_2N_2$ 342.03	
Methyl 4'-hydroxybiphenyl-4-carboxylate		CAT# IN1084	
	CAS# Formula FW	[40501-41-5] $C_{14}H_{12}O_3$ 228.24	
Ethyl 4'-hydroxybiphenyl-4-carboxylate		CAT# IN1086	
	CAS# Formula FW	[50670-76-3] $C_{15}H_{14}O_3$ 242.27	
(E)-1,2-bis(4-(trimethylstannyl)phenyl)ethene		CAT# IN1449	
	CAS# Formula FW	 $C_{20}H_{28}Sn_2$ 505.86	
(E)-1,2-bis(3-bromophenyl)ethene		CAT# IN2149	
	CAS# Formula FW	[23958-26-1] $C_{14}H_{10}Br_2$ 338.04	
2,2',2'',5'-Tetrabromo-1,1':4',1''-terphenyl		CAT# IN1715	
	CAS# Formula FW	[912922-58-8] $C_{18}H_{10}Br_4$ 545.89	
4,4'''-Diiodo-[1,1':4',1'';4'',1''']quaterphenyl		CAT# IN1088	
	CAS# Formula FW	[1770-82-7] $C_{24}H_{16}I_2$ 558.19	
[1,1':4',1'';4'',1''';1''':4''',1'''';4'''';1''''']-Sexiphenyl]-4,4''''-diamine		CAT# IN1688	
	CAS# Formula FW	[77496-07-2] $C_{36}H_{28}N_2$ 488.62	

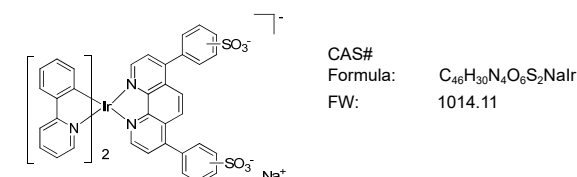
1-(2,7-Bis(4'-amino-[1,1'-biphenyl]-4-yl)-9H-fluoren-9-yl)-1H-pyrrole-2,5-dione	
CAT# IN1687	
	CAS#
	Formula $C_{41}H_{29}N_3O_2$
	FW 595.69
3-(2,7-Bis(4'-amino-[1,1'-biphenyl]-4-yl)-9H-fluoren-9-yl)pentane-2,4-dione	
CAT# IN1689	
	CAS#
	Formula $C_{42}H_{34}N_2O_2$
	FW 598.73

Protein Staining Agents

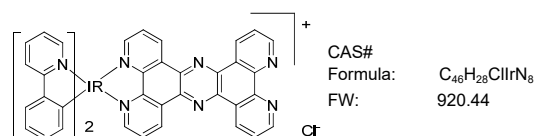
Tris(bathophenanthroline disulfonate)ruthenium(II) tetrasodium salt

RuBPS
CAT# RU092092092Na


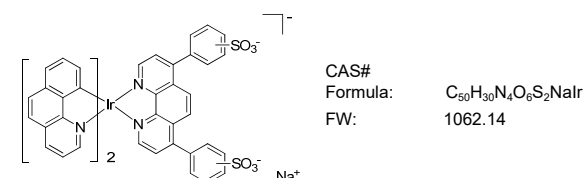
Bis(2-phenylpyridine- C^2,N)(bathophenanthroline disulfonate) iridium(III)

Ir(ppy)₂BPS
CAT# IR601601092Na


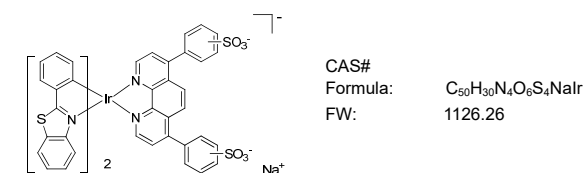
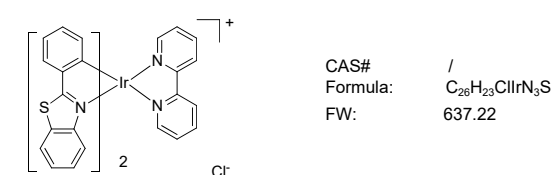
Bis(2-phenylpyridine- C^2,N)(tetrapyrido[3,2-a:2',3'-c:3'',2''-h:2''',3'''-j]phenazine) iridium(III) chloride

CAT# IR601601112Cl


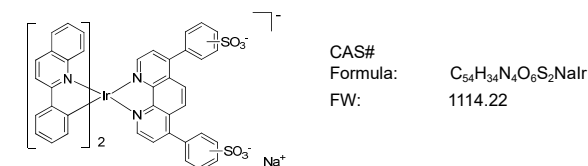
Bis(benzo[h]quinoline- C^2,N)(bathophenanthroline disulfonate) iridium(III)

Ir(bzq)₂BPS
CAT# IR621621092Na


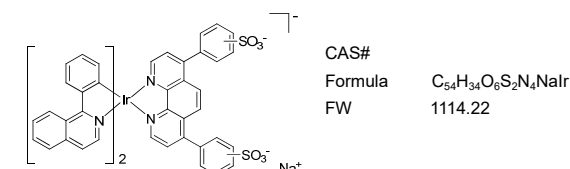
Bis(2-phenylbenzothiazole- C^2,N)(bathophenanthroline disulfonate) iridium(III)

Ir(bt)₂BPS
CAT# IR625625092Na

Ir(bt)₂BIPY
CAT# IR625625001Cl


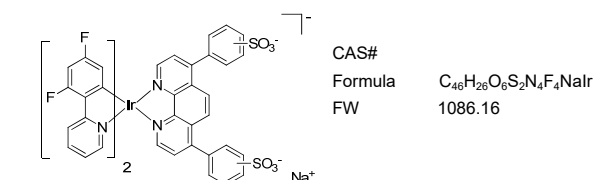
Bis(2-phenylquinoline- C^2,N)(bathophenanthroline disulfonate) iridium(III)

Ir(2-phq)₂BPS
CAT# IR618618092Na


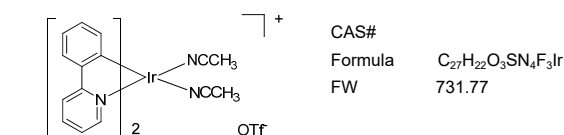
Bis(1-phenylisoquinoline- C^2,N)(bathophenanthroline disulfonate) iridium(III)

Ir(piq)₂BPS
CAT# IR617617092Na


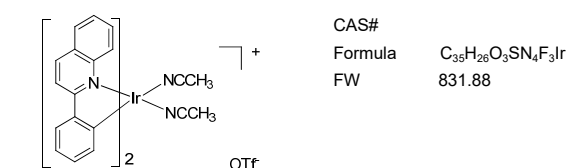
Bis(4,6-difluoro-2-(2-pyridyl)phenyl- C^2,N)(bathophenanthroline disulfonate) iridium(III)

Ir(f-ppy)₂BPS
CAT# IR604604092Na


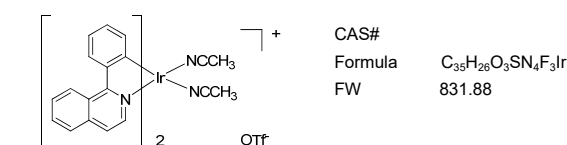
Bis(2-phenylpyridine- C^2,N)-bis(acetonitrile) iridium(III) trifluoromethanesulfonate

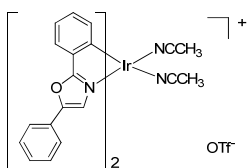
Ir(ppy)₂MECN
CAT# IR601601MECN


Bis(2-phenylquinoline- C^2,N)-bis(acetonitrile) iridium(III) trifluoromethanesulfonate

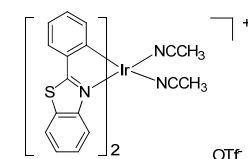
Ir(2-phq)₂MECN
CAT# IR618618MECN


Bis(1-phenylisoquinoline- C^2,N)-bis(acetonitrile) iridium(III) trifluoromethanesulfonate

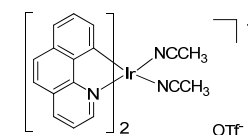
Ir(piq)₂MECN
CAT# IR617617MECN


Bis(2,5-diphenyloxazole- C^2,N)-bis(acetonitrile)iridium(III) trifluoromethanesulfonate
Ir(dpo)₂MECN
CAT# IR624624MECN


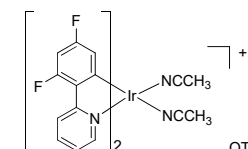
CAS#
Formula $C_{35}H_{26}O_5SN_4F_3Ir$
FW 863.88

Bis(2-phenylbenzothiazole- C^2,N)-bis(acetonitrile)iridium(III) trifluoromethanesulfonate
Ir(bt)₂MECN
CAT# IR625625MECN


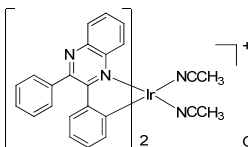
CAS#
Formula $C_{31}H_{22}O_3S_3N_4F_3Ir$
FW 843.94

Bis(2-benzo[h]quinoline- C^2,N)-bis(acetonitrile)iridium(III) trifluoromethanesulfonate
Ir(bzq)₂MECN
CAT# IR621621MECN


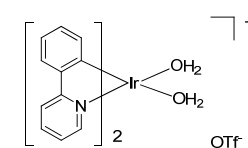
CAS#
Formula $C_{31}H_{22}O_3SN_4F_3Ir$
FW 779.81

Bis(4,6-difluoro-2-(2-pyridyl)phenyl- C^2,N)-bis(acetonitrile)iridium(III) trifluoromethanesulfonate
Ir(f-ppy)₂MECN
CAT# IR604604MECN


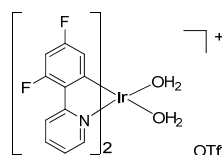
CAS#
Formula: $C_{27}H_{18}N_4O_3SF_7Ir$
FW: 803.73

Bis(2,3-diphenylquinoxaline- C^2,N)-bis(acetonitrile)iridium(III) trifluoromethanesulfonate
Ir(dpq)₂MECN
CAT# IR628628MECN


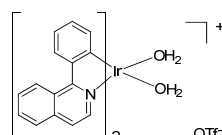
CAS#
Formula: $C_{45}H_{32}N_6O_3SF_3Ir$
FW: 986.07

Bis(2-phenylpyridine- C^2,N)-bis(aquo)iridium(III) trifluoromethanesulfonate
CAT# IR601601H2O


CAS#
Formula: $C_{23}H_{20}N_2O_5SF_3Ir$
FW: 685.65

Bis(4,6-difluoro-2-(2-pyridyl)phenyl- C^2,N)-bis(aquo)iridium(III) trifluoromethanesulfonate
CAT# IR604604H2O


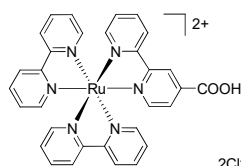
CAS#
Formula: $C_{23}H_{16}N_2O_5SF_7Ir$
FW: 757.65

Bis(1-phenylisoquinoline- C^2,N)-bis(aquo)iridium(III) trifluoromethanesulfonate
CAT# IR617617H2O


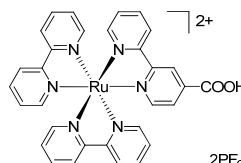
CAS#
Formula: $C_{31}H_{24}N_2O_5SF_3Ir$
FW: 785.81

Labeling Reagents

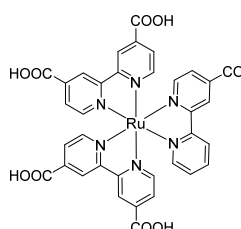
Ru Complexes

Bis(2,2'-bipyridyl)(4-carboxyl-2,2'-bipyridyl)ruthenium(II) dichloride
CAT# RU401001001Cl


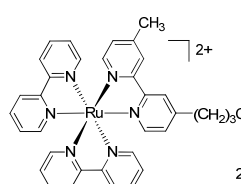
CAS#
Formula $C_{31}H_{24}O_2N_6Cl_2Ru$
FW 684.55

Bis(2,2'-bipyridyl)(4-carboxyl-2,2'-bipyridyl)ruthenium(II) bishexafluorophosphate
CAT# RU401001001PF6


CAS#
Formula $C_{31}H_{24}O_2F_{12}N_6P_2Ru$
FW 903.56

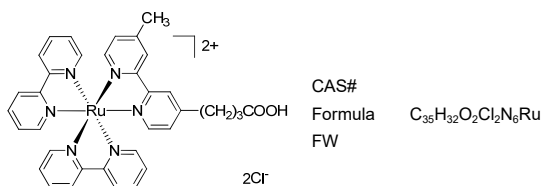
Bis(4,4'-dicarboxy-2,2'-bipyridyl)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl) ruthenium(II) bishexafluorophosphate
CAT# RU401029029Cl


CAS#
Formula
FW

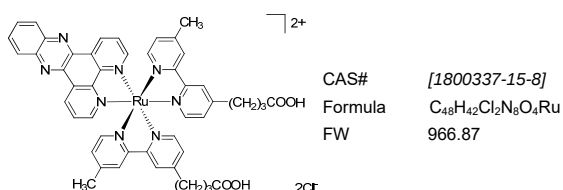
Bis(2,2'-bipyridyl)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl) ruthenium(II) bishexafluorophosphate
CAT# RU402001001PF6


CAS#
Formula $C_{35}H_{32}O_2F_{12}N_6P_2Ru$
FW 959.67

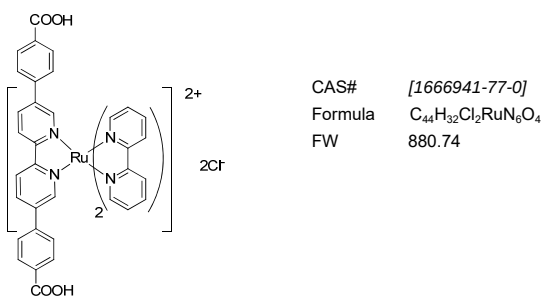
Bis(2,2'-bipyridyl)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl) ruthenium(II) dichloride
Ru(bpy)₂(mcbpy)²⁺ CAT# RU402001001Cl



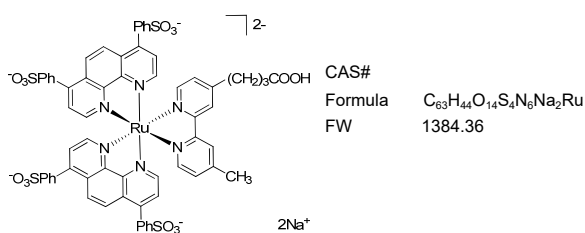
Bis(4-methyl-4'-carboxypropyl-2,2'-bipyridyl)(dipyrido[3,2-a:2',3'-c]phenazine)ruthenium(II) dichloride
CAT# RU402402460Cl



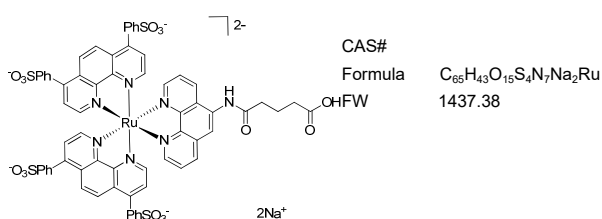
Bis(2,2'-bipyridyl)(5,5'-Di-p-benzoic acid-[2,2']bipyridinyl)ruthenium(II) dichloride
CAT# RU430001001Cl



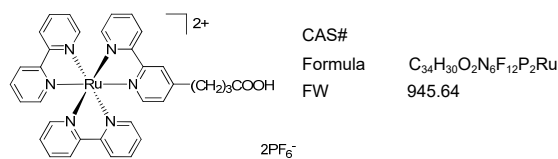
Bis(bathophenanthroinedisulfonate)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl)ruthenium(II) disodium salt
CAT# RU402092092Na



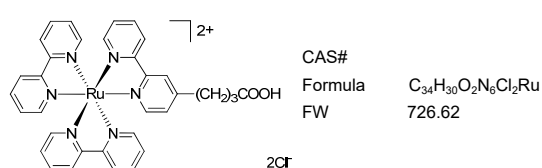
Bis(bathophenanthroinedisulfonate)[5-(1,10-phenanthroline-5-yl amino)-5-oxopentanoic acid] ruthenium(II) disodium salt
CAT# RU422092092Na



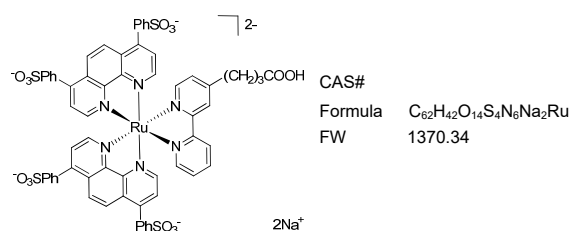
Bis(2,2'-bipyridyl)(4-carboxypropyl-2,2'-bipyridyl)ruthenium(II) hexafluorophosphate
CAT# RU403001001PF6



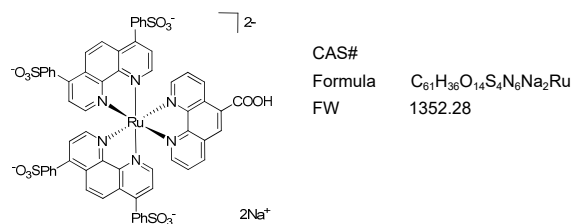
Bis(2,2'-bipyridyl)(4-carboxypropyl-2,2'-bipyridyl)ruthenium(II) dichloride
CAT# RU403001001Cl



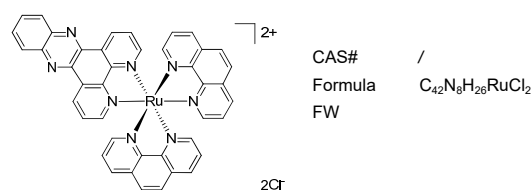
Bis(bathophenanthroinedisulfonate)(4-carboxypropyl-2,2'-bipyridyl) ruthenium(II) disodium salt
CAT# RU403092092Na

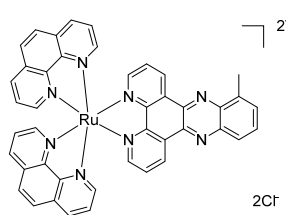
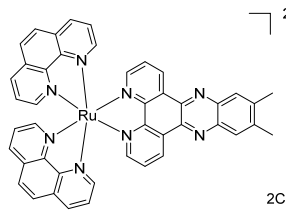
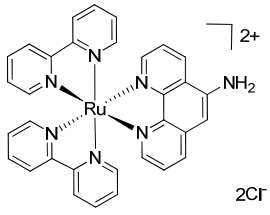
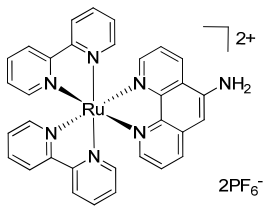
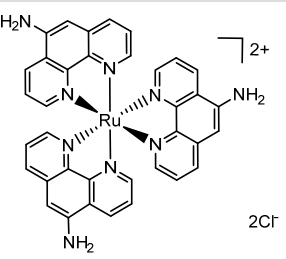


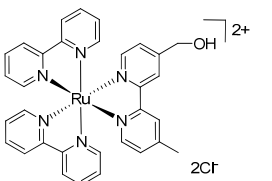
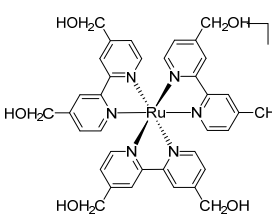
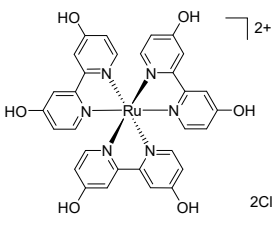
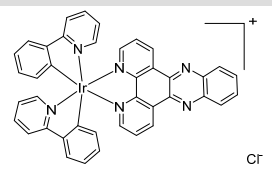
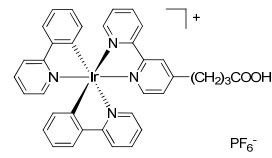
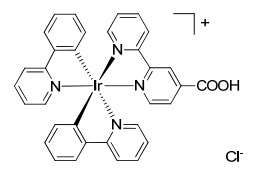
Bis(bathophenanthroinedisulfonate)(4-carboxy-1,10-phenanthroline) ruthenium(II) disodium salt
CAT# RU408092092Na

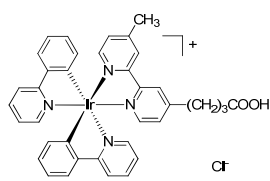
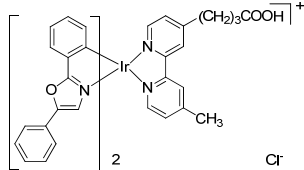
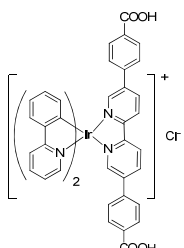
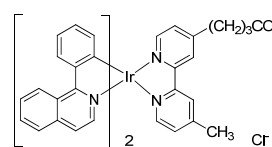
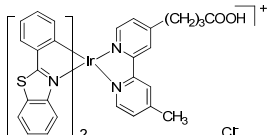
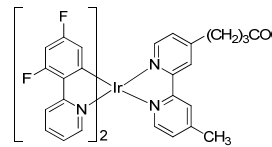
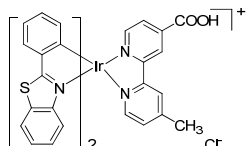
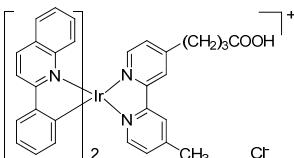
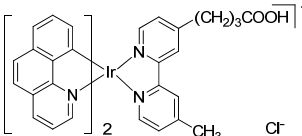
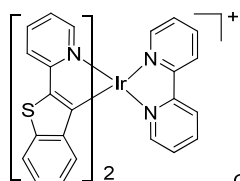


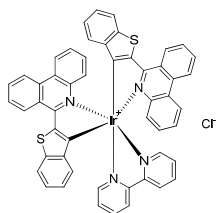
Bis([1,10-phenanthroline)(4,5,9,14-tetraaza-benzo[b]triphenylene)ruthenium(II) dichloride
Ru(phen)2dppz CAT# RU460068068Cl



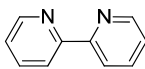
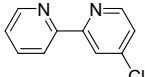
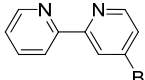
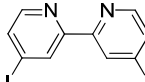
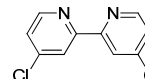
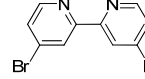
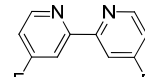
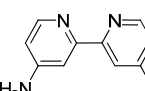
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	CAS# [2222554-01-8] Formula FW 2Cl ⁻
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Bis(2,2'-bipyridyl)(5-amino-1,10-phenanthroline)ruthenium(II) dichloride	
CAT# RU082001001Cl	
	CAS# Formula C ₃₂ H ₂₅ N ₇ Cl ₂ Ru FW 679.56 2Cl ⁻
Bis(2,2'-bipyridyl)(5-amino-1,10-phenanthroline)ruthenium(II) bishexafluorophosphate	
CAT# RU082001001PF6	
	CAS# Formula C ₃₂ H ₂₅ N ₇ P ₂ F ₁₂ Ru FW 898.58 2PF ₆ ⁻
Tris(5-amino-1,10-phenanthroline) ruthenium(II) dichloride	
CAT# RU082082082Cl	
	CAS# Formula C ₃₉ H ₃₅ Cl ₂ N ₉ Ru FW 801.73 2Cl ⁻

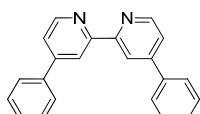
Bis(2,2'-bipyridyl)(4'-methyl-2,2'-bipyridin-4-yl)methanol ruthenium(II) dichloride	
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	CAS# Formula C ₃₂ H ₂₈ N ₆ ORuCl ₂ FW 684.1 2Cl ⁻
Tri[(2,2'-bipyridine)-4,4'-diyl]dimethanol ruthenium(II) dichloride	
CAT# RU532532532Cl	
	CAS# Formula FW 2Cl ⁻
Tris[(2,2'-bipyridyl)-4,4'-diol]ruthenium(II) dichloride	
CAT# RU533533533Cl	
	CAS# [1404106-40-6] Formula C ₃₀ H ₂₄ ClN ₆ O ₆ Ru FW 701.08 2Cl ⁻
Bis(2,2'-bipyridyl)(4,5,9,14-Tetraaza-benzo[b]triphenylene)iridium(III) dichloride	
CAT# IR601601111Cl	
	CAS# Formula C ₄₃ H ₃₃ ClIrN ₆ FW 861.43 Cl ⁻
Bis(2-phenylpyridine-C^2,N)(4-carboxy propyl-2,2'-bipyridyl)iridium(III) hexafluorophosphate	
CAT# IR403601601PF6	
	CAS# Formula C ₃₆ H ₃₀ O ₂ F ₆ N ₄ PIr FW 887.85 PF ₆ ⁻
Bis(2-phenylpyridine-C^2,N)(4-carboxyl-2,2'-bipyridine)iridium(III) chloride	
CAT# IR401601601Cl	
	CAS# / Formula C ₃₃ H ₂₄ IrO ₂ N ₄ FW 700.00 Cl ⁻

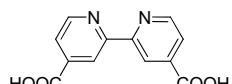
Bis(2-phenylpyridine-<i>C</i>²,<i>N</i>)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl)iridium(III) chloride CAT# IR402601601Cl	Bis(2,5-diphenyloxazole-<i>C</i>²,<i>N</i>)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl)iridium(III) chloride CAT# IR402624624Cl
 CAS# Formula FW λ_{em} C₃₇H₃₂O₂N₄ClIr 792.35 583 nm (acetonitrile)	 CAS# Formula FW C₄₅H₃₆N₄O₄ClIr 924.46
Bis(2-phenylpyridine-<i>C</i>²,<i>N</i>)(5,5'-di-<i>p</i>-benzoic acid-[2,2']bipyridinyl)iridium(III) chloride CAT# IR430601601Cl	Bis(1-phenylisoquinoline)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl)iridium(III) chloride CAT# IR402617617Cl
 CAS# Formula FW C₄₆H₃₂ClN₄O₄Ir 932.44	 CAS# Formula FW λ_{em} C₄₅H₃₆N₄O₂ClIr 892.46 593 nm (methanol)
Bis(2-phenylbenzothiazole-<i>C</i>²,<i>N</i>)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl)iridium(III) chloride CAT# IR402625625Cl	Bis(4,6-difluoro-2-(2-pyridyl)phenyl-<i>C</i>²,<i>N</i>)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl)iridium(III) chloride CAT# IR402604604Cl
 CAS# Formula FW C₄₁H₃₂O₂N₄S₂ClIr 904.52	 CAS# Formula FW λ_{em} / C₃₇H₂₈N₄O₂F₄ClIr 864.31 525 nm (acetonitrile)
Bis(2-phenylbenzothiazole-<i>C</i>²,<i>N</i>)(4-methyl-4'-carboxy-2,2'-bipyridyl)iridium(III) chloride CAT# IR406625625Cl	Bis(2-phenylquinoline-<i>C</i>²,<i>N</i>)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl)iridium(III) chloride CAT# IR402618618Cl
 CAS# Formula FW λ_{em} C₃₈H₂₆O₂N₄S₂ClIr 862.44 529 nm (acetonitrile) 565 nm (acetonitrile)	 CAS# Formula FW C₄₅H₃₆O₂N₄ClIr 892.48
Bis(2-phenylquinoline-<i>C</i>²,<i>N</i>)(4-methyl-4'-carboxypropyl-2,2'-bipyridyl)iridium(III) chloride CAT# IR402618618Cl	Bis(2-benzo[b]thiophen-2-yl)pyridyl-<i>C</i>²,<i>N</i>')(2,2'-bipyridyl)iridium(III) chloride CAT# IR629629001Cl
 CAS# Formula FW C₄₅H₃₆O₂N₄ClIr 892.48	 CAS# Formula FW [1250262-19-1] C₃₆H₂₄ClIrN₄S₂ 804.40

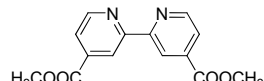
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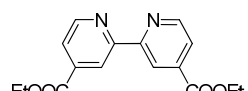
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Formula	$C_{52}H_{32}ClIrN_4S_2$
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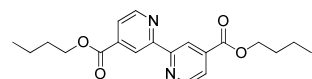
N^N Diimine Ligands			
2,2'-Bipyridine			
CAT# BIPY001			
	CAS#	[366-18-7]	
	Formula	C ₁₀ H ₈ N ₂	
	FW	156.18	
4-Chloro-2,2'-bipyridine			
CAT# BIPY002			
	CAS#	[14162-94-8]	
	Formula	C ₁₀ H ₇ ClN ₂	
	FW	190.63	
4-Bromo-2,2'-bipyridine			
CAT# BIPY003			
	CAS#	[14162-95-9]	
	Formula	C ₁₀ H ₇ BrN ₂	
	FW	235.08	
4,4'-Diiodo-2,2'-bipyridine			
CAT# BIPY015			
	CAS#	[831225-81-1]	
	Formula	C ₁₀ H ₆ I ₂ N ₂	
	FW	407.98	
4,4'-Dichloro-2,2'-bipyridine			
CAT# BIPY016			
	CAS#	[1762-41-0]	
	Formula	C ₁₀ H ₆ Cl ₂ N ₂	
	FW	225.07	
4,4'-Dibromo-2,2'-bipyridine			
CAT# BIPY017			
	CAS#	[18511-71-2]	
	Formula	C ₁₀ H ₆ Br ₂ N ₂	
	FW	313.98	
4,4'-Difluoro-2,2'-bipyridine			
CAT# BIPY018			
	CAS#	[1189458-67-0]	
	Formula	C ₁₀ H ₆ F ₂ N ₂	
	FW	192.16	
2,2'-Bipyridine -4,4'-diamine			
CAT# BIPY019			
	CAS#	[18511-69-8]	
	Formula	C ₁₀ H ₁₀ N ₄	
	FW	186.21	

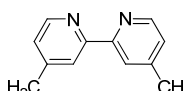
4,4'-Diphenyl-2,2'-bipyridine		
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	Formula	C ₂₂ H ₁₆ N ₂
	FW	308.38

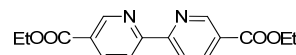
4,4'-Dicarboxy-2,2'-bipyridine		
CAT# BIPY029		
	CAS#	[6813-38-3]
	Formula	C ₁₂ H ₆ N ₂ O ₄
	FW	244.21

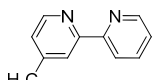
4,4'-Bis(methoxycarbonyl)-2,2'-bipyridine		
CAT# BIPY034		
	CAS#	[71071-46-0]
	Formula	C ₁₄ H ₁₂ N ₂ O ₄
	FW	272.26

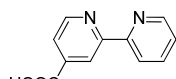
4,4'-Bis(ethoxycarbonyl)-2,2'-bipyridine		
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	CAS#	[1762-42-1]
	Formula	C ₁₆ H ₁₆ N ₂ O ₄
	FW	300.31

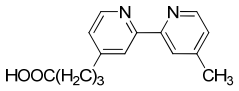
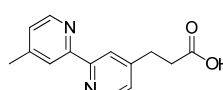
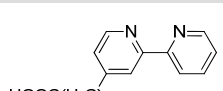
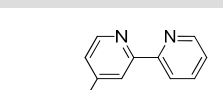
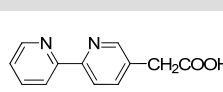
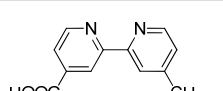
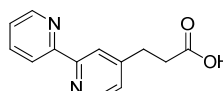
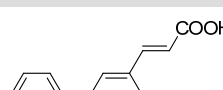
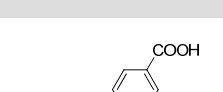
Dibutyl [2,2'-bipyridine]-4,4'-dicarboxylate		
CAT# BIPY039		
	CAS#	[69641-93-6]
	Formula	C ₂₀ H ₂₄ N ₂ O ₄
	FW	356.42

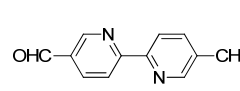
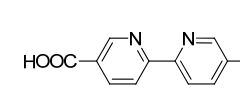
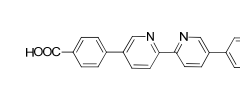
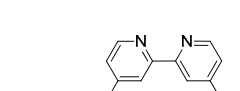
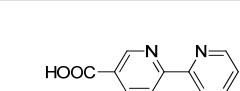
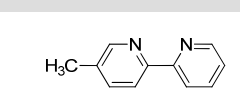
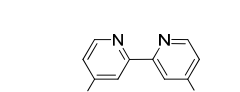
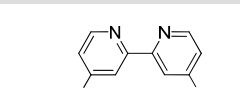
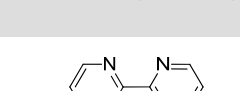
4,4'-Dimethyl-2,2'-bipyridine		
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	Formula	C ₁₂ H ₁₂ N ₂
	FW	184.24

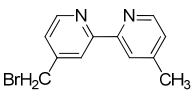
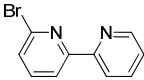
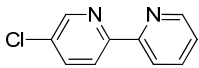
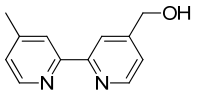
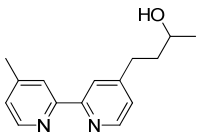
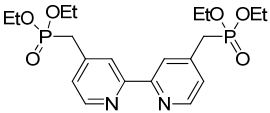
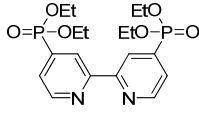
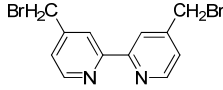
5,5'-Bis(ethoxycarbonyl)-2,2'-bipyridine		
CAT# BIPY051		
	CAS#	[1762-46-5]
	Formula	C ₁₆ H ₁₆ N ₂ O ₄
	FW	300.31

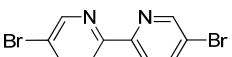
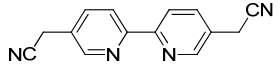
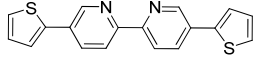
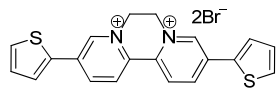
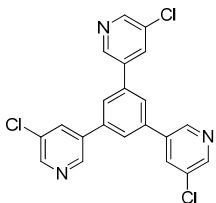
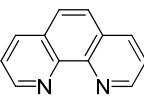
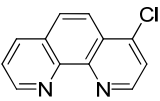
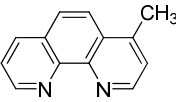
4-Methyl-2,2'-bipyridine		
CAT# BIPY400		
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	Formula	C ₁₁ H ₁₀ N ₂
	FW	170.21

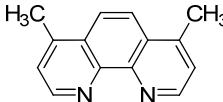
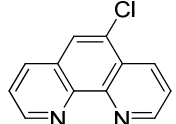
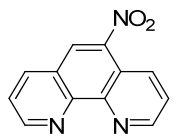
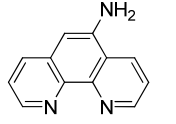
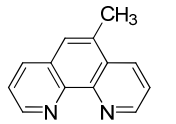
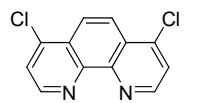
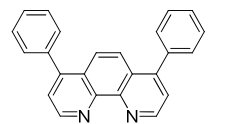
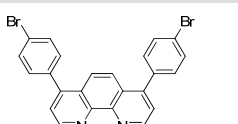
4-Carboxy-2,2'-bipyridine		
CAT# BIPY401		
	CAS#	[1748-89-6]
	Formula	C ₁₁ H ₆ N ₂ O ₂
	FW	200.19

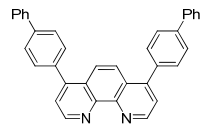
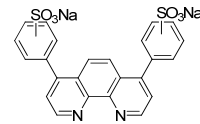
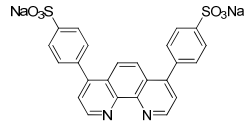
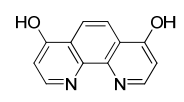
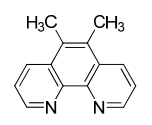
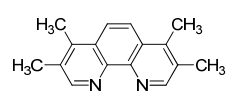
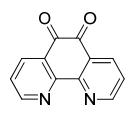
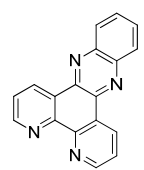
4-Methyl-4'-(3-carboxypropyl)-2,2'-bipyridine	
CAT# BIPY402	
	CAS# [114527-28-5] Formula $C_{15}H_{16}N_2O_2$ FW 256.30
3-(4'-Methyl-[2,2'-bipyridin]-4-yl)propanoic acid	
CAT# BIPY412	
	CAS# Formula $C_{14}H_{14}N_2O_2$ FW 242.27
4-(3-Carboxypropyl)-2,2'-bipyridine	
CAT# BIPY403	
	CAS# [1642786-47-7] Formula $C_{14}H_{14}N_2O_2$ FW 242.27
2,2'-Bipyridine-4-acetic acid	
CAT# BIPY404	
	CAS# [1705703-20-3] Formula $C_{12}H_{10}N_2O_2$ FW 214.22
2,2'-Bipyridine-5-acetic acid	
CAT# BIPY405	
	CAS# [917874-25-0] Formula $C_{12}H_{10}N_2O_2$ FW 214.22
4-Methyl-4'-carboxy-2,2'-bipyridine	
CAT# BIPY406	
	CAS# [103946-54-9] Formula $C_{12}H_{10}N_2O_2$ FW 214.22
3-([2,2'-Bipyridin]-4-yl)propanoic acid	
CAT# BIPY413	
	CAS# [2100296-24-8] Formula $C_{13}H_{12}N_2O_2$ FW 228.25
(E)-3-([2,2'-Bipyridin]-4-yl)acrylic acid	
CAT# BIPY415	
	CAS# Formula $C_{13}H_{10}N_2O_2$ FW 226.23
4-([2,2'-Bipyridin]-4-yl)benzoic acid	
CAT# BIPY420	
	CAS# Formula $C_{17}H_{12}N_2O_2$ FW 276.29

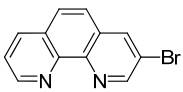
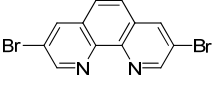
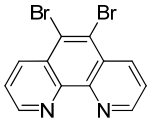
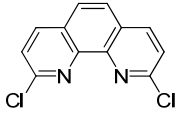
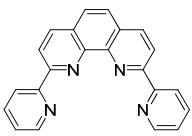
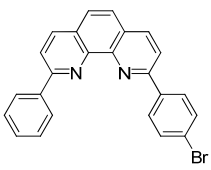
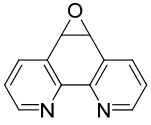
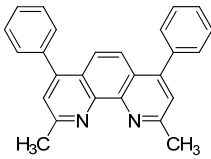
[2,2'-Bipyridine]-5,5'-dicarbaldehyde	
CAT# BIPY428	
	CAS# [135822-72-9] Formula $C_{12}H_8N_2O_2$ FW 212.20
2,2'-Bipyridine-5,5'-dicarboxylic acid	
CAT# BIPY429	
	CAS# [1802-30-8] Formula $C_{12}H_8N_2O_4$ FW 244.20
4,4'-([2,2'-Bipyridine]-5,5'-diyl)dibenzoic acid	
CAT# BIPY430	
	CAS# [1373759-05-7] Formula $C_{24}H_{16}N_2O_4$ FW 396.39
2,2'-Bipyridine-4,4'-dibutanoic acid	
CAT# BIPY442	
	CAS# [447450-80-8] Formula $C_{18}H_{20}N_2O_4$ FW 328.36
5-Carboxy-2,2'-bipyridine	
CAT# BIPY443	
	CAS# [1970-80-5] Formula $C_{11}H_8N_2O_2$ FW 200.19
5-Methyl-2,2'-bipyridine	
CAT# BIPY444	
	CAS# [56100-20-0] Formula $C_{11}H_{10}N_2$ FW 170.21
4,4'-Dioctyl-2,2'-bipyridine	
CAT# BIPY515	
	CAS# [71879-24-8] Formula $C_{26}H_{40}N_2$ FW 380.61
4,4'-Dinonyl-2,2'-bipyridine	
CAT# BIPY516	
	CAS# [142646-58-0] Formula $C_{28}H_{44}N_2$ FW 408.66
4-(Bromomethyl)-2,2'-bipyridine	
CAT# BIPY513	
	CAS# Formula $C_{11}H_9BrN_2$ FW 249.11

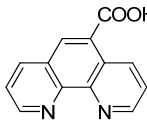
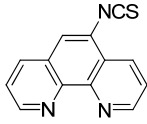
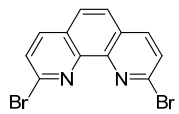
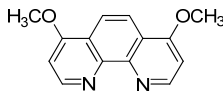
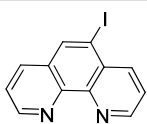
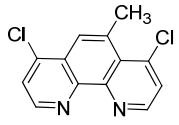
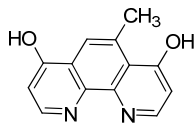
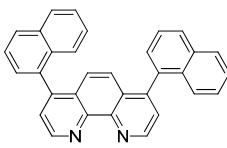
4-Bromomethyl-4'-methyl-2,2'-bipyridin	
CAT# BIPY517	
	CAS# [81998-05-2] Formula $C_{12}H_{11}BrN_2$ FW 263.13
6-Bromo-2,2'-bipyridine	
CAT# BIPY518	
	CAS# [10495-73-5] Formula $C_{10}H_7BrN_2$ FW 235.08
5-Chloro-2,2'-bipyridine	
CAT# BIPY519	
	CAS# [162612-08-0] Formula $C_{10}H_7ClN_2$ FW 190.63
(4'-Methyl-2,2'-bipyridin-4-yl)methanol	
CAT# BIPY520	
	CAS# [81998-04-1] Formula $C_{12}H_{12}N_2O$ FW 200.24
4-(4'-Methyl-2,2'-bipyridin-4-yl)butan-2-ol	
CAT# BIPY521	
	CAS# [870078-13-0] Formula $C_{15}H_{18}N_2O$ FW 242.32
Tetraethyl [2,2'-bipyridine]-4,4'-diylbis(methylene)diphosphonate	
CAT# BIPY525	
	CAS# [176220-38-5] Formula $C_{20}H_{30}N_2O_6P_2$ FW 456.41
Tetraethyl [2,2'-bipyridine]-4,4'-diyl diphosphonate	
CAT# BIPY526	
	CAS# [174397-53-6] Formula $C_{18}H_{26}N_2O_6P_2$ FW 428.36
4,4'-Bis(bromomethyl)-2,2'-bipyridine	
CAT# BIPY527	
	CAS# [134457-14-0] Formula $C_{12}H_{10}Br_2N_2$ FW 342.03

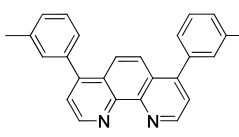
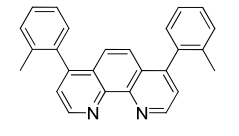
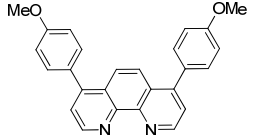
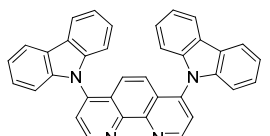
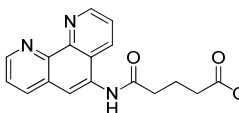
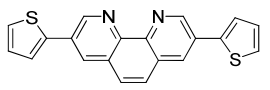
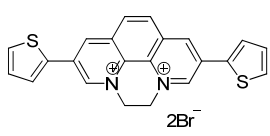
5,5'-Dibromo-2,2'-bipyridine	
CAT# BIPY528	
	CAS# [15862-18-7] Formula $C_{10}H_6Br_2N_2$ FW 313.98
2,2'-([2,2'-Bipyridine]-5,5'-diyl)diacetonitrile	
CAT# BIPY531	
	CAS# [286380-59-4] Formula $C_{14}H_{10}N_4$ FW 234.26
5,5'-(Dithiophen-2-yl)-2,2'-bipyridine	
CAT# BIPY529	
	CAS# [182631-76-1] Formula $C_{18}H_{12}N_2S_2$ FW 320.43
3,10-Di(thiophen-2-yl)-6,7-dihydrodipyrido[1,2-a:2',1'-c]pyrazine-5,8-diiumbromide	
CAT# BIPY530	
	CAS# Formula $C_{20}H_{16}N_2S_2Br_2$ FW 508.29
1,3,5-Tris(5-chloropyridin-3-yl)benzene	
CAT# BIPY605	
	CAS# [2095298-29-4] Formula $C_{21}H_{12}Cl_3N_3$ FW 412.70
1,10-Phenanthroline	
CAT# PHEN068	
	CAS# [66-71-7] Formula $C_{12}H_8N_2$ FW 180.21
4-Chloro-1,10-phenanthroline	
CAT# PHEN072	
	CAS# [1891-14-1] Formula $C_{12}H_7ClN_2$ FW 214.65
4-Methyl-1,10-phenanthroline	
CAT# PHEN073	
	CAS# [31301-28-7] Formula $C_{13}H_{10}N_2$ FW 194.23

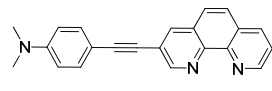
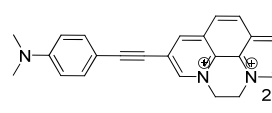
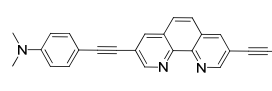
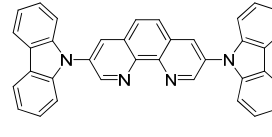
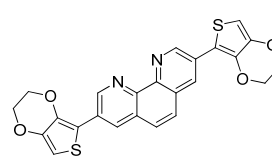
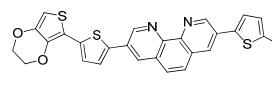
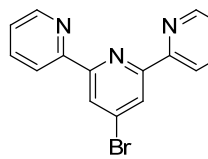
4,7-Dimethyl-1,10-phenanthroline			CAT# PHEN074
	CAS#	[3248-05-3]	
	Formula	C ₁₄ H ₁₂ N ₂	
	FW	208.26	
5-Chloro-1,10-phenanthroline			CAT# PHEN079
	CAS#	[4199-89-7]	
	Formula	C ₁₂ H ₇ ClN ₂	
	FW	214.65	
5-Nitro-1,10-phenanthroline			CAT# PHEN081
	CAS#	[4199-88-6]	
	Formula	C ₁₂ H ₇ N ₃ O ₂	
	FW	225.20	
5-Amino-1,10-phenanthroline			CAT# PHEN082
	CAS#	[54258-41-2]	
	Formula	C ₁₂ H ₉ N ₃	
	FW	195.22	
5-Methyl-1,10-phenanthroline			CAT# PHEN083
	CAS#	[3002-78-6]	
	Formula	C ₁₃ H ₁₀ N ₂	
	FW	194.23	
4,7-Dichloro-1,10-phenanthroline			CAT# PHEN087
	CAS#	[5394-23-0]	
	Formula	C ₁₂ H ₆ Cl ₂ N ₂	
	FW	249.10	
4,7-Diphenyl-1,10-phenanthroline			CAT# PHEN088
	CAS#	[1662-01-7]	
	Formula	C ₂₄ H ₁₆ N ₂	
	FW	332.40	
	λ _{ab}	272 nm(THF)	
	λ _{em}	379 nm(THF)	
4,7-Bis(4-bromophenyl)-1,10-phenanthroline			CAT# PHEN089
	CAS#	[97802-08-9]	
	Formula	C ₂₄ H ₁₄ Br ₂ N ₂	
	FW	490.19	

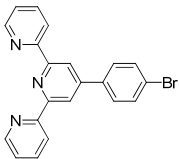
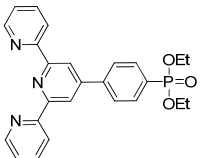
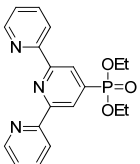
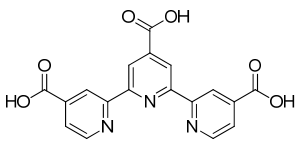
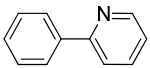
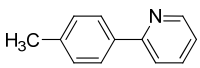
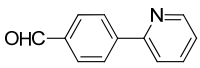
4,7-Bis(biphenyl)-1,10-phenanthroline			CAT# PHEN091
	CAS#	[96710-07-5]	
	Formula	C ₃₆ H ₂₄ N ₂	
	FW	484.59	
Bathophenanthroline disulphonic acid disodium			CAT# PHEN092
	CAS#	[53744-42-6]	
	Formula	C ₂₄ H ₁₄ N ₂ Na ₂ O ₆ S ₂	
	FW	590.53	
* isomeric mixture, see <i>Mag. Res. Chem.</i> , 49(2011)816-823.			
Sodium 4,4'-(1,10-phenanthroline-4,7-diyl)dibenzenesulfonate			CAT# PHEN093
	CAS#		
	Formula	C ₂₄ H ₁₄ N ₂ Na ₂ O ₆ S ₂	
	FW	536.49	
4,7-Dihydroxyl-1,10-phenanthroline			CAT# PHEN094
	CAS#	[3922-40-5]	
	Formula	C ₁₂ H ₈ N ₂ O ₂	
	FW	212.20	
5,6-Dimethyl-1,10-phenanthroline			CAT# PHEN099
	CAS#	[3002-81-1]	
	Formula	C ₁₄ H ₁₂ N ₂	
	FW	208.26	
3,4,7,8-Tetramethyl-1,10-phenanthroline			CAT# PHEN100
	CAS#	[1660-93-1]	
	Formula	C ₁₆ H ₁₆ N ₂	
	FW	236.31	
1,10-Phenanthroline-5,6-dione			CAT# PHEN110
	CAS#	[27318-90-7]	
	Formula	C ₁₂ H ₆ N ₂ O ₂	
	FW	210.19	
Dipyrido[3,2-a:2',3'-c]phenazine			CAT# PHEN111
	CAS#	[19535-47-8]	
	Formula	C ₁₈ H ₁₀ N ₄	
	FW	282.30	

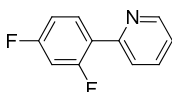
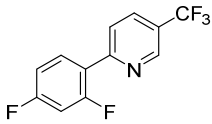
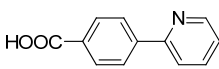
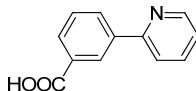
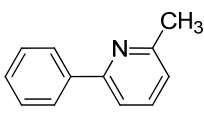
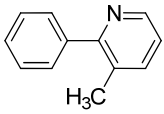
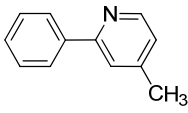
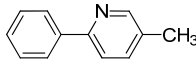
3-Bromo-1,10-phenanthroline	
CAT# PHEN401	
	CAS# [66127-01-3] Formula $C_{12}H_7BrN_2$ FW 259.10
3,8-Dibromo-1,10-phenanthroline	
CAT# PHEN402	
	CAS# [100125-12-0] Formula $C_{12}H_6Br_2N_2$ FW 338.00
5,6-Dibromo-1,10-phenanthroline	
CAT# PHEN403	
	CAS# [56290-06-3] Formula $C_{12}H_6Br_2N_2$ FW 338.00
2,9-Dichloro-1,10-phenanthroline	
CAT# PHEN404	
	CAS# [29176-55-4] Formula $C_{12}H_6Cl_2N_2$ FW 249.10
2,9-Di-(2'-pyridyl)-1,10-phenanthroline	
CAT# PHEN405	
	CAS# [773883-32-2] Formula $C_{22}H_{14}N_4$ FW 334.37
2-(4-Bromophenyl)-9-phenyl-1,10-phenanthroline	
CAT# PHEN436	
	CAS# [197442-25-4] Formula $C_{24}H_{15}BrN_2$ FW 411.29
5,6-Epoxy-5,6-dihydro-1,10-phenanthroline	
CAT# PHEN406	
	CAS# [65115-91-5] Formula $C_{12}H_8N_2O$ FW 196.20
2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline	
BCP CAT# PHEN407	
	CAS# [4733-39-5] Formula $C_{26}H_{20}N_2$ FW 360.45 λ_{ab} 277 nm (THF) λ_{em} 386 nm (THF)

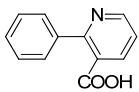
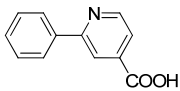
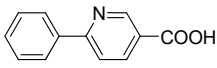
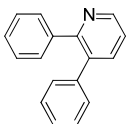
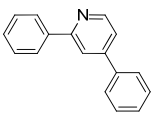
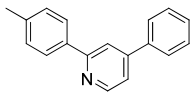
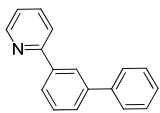
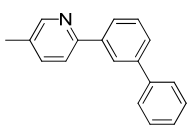
1,10-Phenanthroline-5-carboxylic acid	
CAT# PHEN408	
	CAS# [630067-06-0] Formula $C_{13}H_8N_2O_2$ FW 224.21
5-Isothiocyanato-1,10-phenanthroline	
CAT# PHEN410	
	CAS# [75618-99-4] Formula $C_{13}H_7N_3S$ FW 237.28
2,9-Dibromo-1,10-phenanthroline	
CAT# PHEN412	
	CAS# [39069-02-8] Formula $C_{12}H_6Br_2N_2$ FW 338.00
4,7-Dimethoxy-1,10-phenanthroline	
CAT# PHEN413	
	CAS# [92149-07-0] Formula $C_{14}H_{12}N_2O_2$ FW 240.26
5-Iodo-1,10-phenanthroline	
CAT# PHEN414	
	CAS# [630067-12-8] Formula $C_{12}H_7IN_2$ FW 306.10
4,7-Dichloro-5-methyl-1,10-phenanthroline	
CAT# PHEN415	
	CAS# [503864-02-6] Formula $C_{13}H_8Cl_2N_2$ FW 262.12
4,7-Dihydroxyl- 5-methyl-1,10-phenanthroline	
CAT# PHEN416	
	CAS# [C13H10N2O2] Formula $C_{13}H_{10}N_2O_2$ FW 226.23
4,7-Di(naphthalen-1-yl)-1,10-phenanthroline	
CAT# PHEN417	
	CAS# [1215007-80-9] Formula $C_{32}H_{20}N_2$ FW 432.51

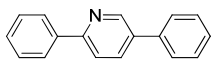
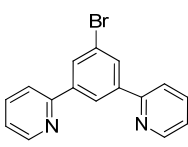
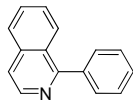
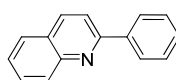
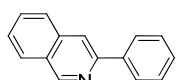
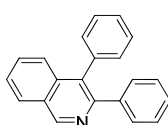
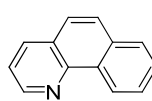
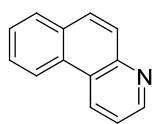
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CAT# PHEN418	
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4,7-Dio-tolyl-1,10-phenanthroline	
CAT# PHEN419	
	CAS# Formula $C_{26}H_{20}N_2$ FW 360.45
4,7-Bis(4-methoxyphenyl)-1,10-phenanthroline	
CAT# PHEN420	
	CAS# [95950-20-2] Formula $C_{26}H_{20}N_2O_2$ FW 392.45
4,7-Di(9H-carbazol-9-yl)-1,10-phenanthroline	
CAT# PHEN421	
	CAS# [676542-82-8] Formula $C_{36}H_{22}N_4$ FW 510.59
5-(1,10-Phenanthroline-5-ylamino)-5-oxopentanoic acid	
CAT# PHEN422	
	CAS# [163628-20-4] Formula $C_{17}H_{13}N_3O_3$ FW 309.32
3,8-(Dithiophen-2-yl)-1,10-phenanthroline	
CAT# PHEN423	
	CAS# [753491-32-6] Formula $C_{20}H_{12}N_2S_2$ FW 344.45
2,9-Di(thiophen-2-yl)-5,6-dihydropyrazino[1,2,3,4-<i>lmn</i>][1,10]phenanthroline-4,7-diiumbromide	
CAT# PHEN424	
	CAS# Formula $C_{22}H_{16}Br_2N_2S_2$ FW 532.31

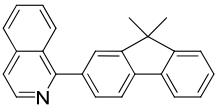
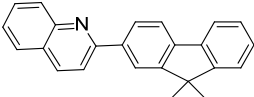
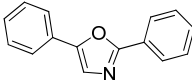
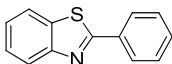
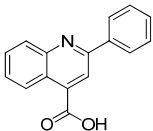
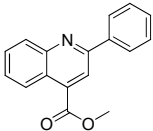
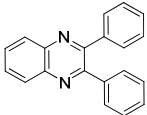
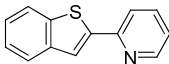
4,-((1,10-Phenanthrolin-3-yl)ethynyl)-<i>N,N'</i>-dimethylaniline	
CAT# PHEN425	
	CAS# Formula $C_{22}H_{17}N_3$ FW 323.39
2-((4-(Dimethylamino)phenyl)ethynyl)-5,6-dihydropyrazino[1,2,3,4-<i>lmn</i>][1,10]phenanthroline-4,7-diiumbromide	
CAT# PHEN426	
	CAS# Formula $C_{24}H_{21}N_3Br_2$ FW 511.25
4,4'-(1,10-Phenanthroline-3,8-diyl)bis(ethyne-2,1-diyl)bis(<i>N,N</i>-dimethylaniline)	
CAT# PHEN427	
	CAS# [250635-23-5] Formula $C_{32}H_{28}N_4$ FW 466.58
3,8-Di(9H-carbazol-9-yl)-1,10-phenanthroline	
CAT# PHEN428	
	CAS# [796847-41-1] Formula $C_{36}H_{22}N_4$ FW 510.59
3,8-Bis(2,3-dihydrothieno[3,4-<i>b</i>][1,4]dioxin-5-yl)-1,10-phenanthroline	
CAT# PHEN430	
	CAS# [1001330-07-9] Formula $C_{24}H_{16}N_2O_4S_2$ FW 460.52
3,8-Bis(5-(2,3-dihydrothieno[3,4-<i>b</i>][1,4]dioxin-5-yl)thiophen-2-yl)-1,10-phenanthroline	
CAT# PHEN450	
	CAS# Formula $C_{32}H_{20}N_2O_4S_4$ FW 624.77
4-Bromo-2,2':6',2''-terpyridine	
CAT# TEPY003	
	CAS# [149817-62-9] Formula $C_{15}H_{10}BrN_3$ FW 312.17

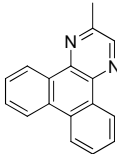
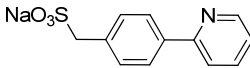
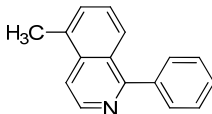
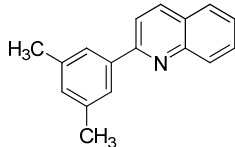
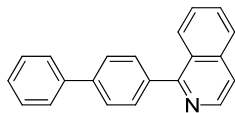
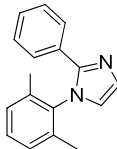
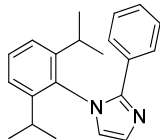
4'-(4-Bromophenyl)-2,2':6',2''-terpyridine	
CAT# TEPY004	
	CAS# [89972-76-9] Formula C ₂₁ H ₁₄ BrN ₃ FW 388.26
Diethyl-4-(4-phenylphosphonte)-2,2':6',2''-terpyridine	
CAT# TEPY005	
	CAS# [194800-58-3] Formula C ₂₅ H ₂₄ N ₃ O ₃ P FW 445.45
Diethyl-4-phosphonte-2,2':6',2''-terpyridine	
CAT# TEPY006	
	CAS# [161583-75-1] Formula C ₁₉ H ₂₀ N ₃ O ₃ P FW 369.35
[2,2':6',2''-Terpyridine]-4,4',4''-tricarboxylic acid	
CAT# TEPY020	
	CAS# [216018-58-5] Formula C ₁₈ H ₁₁ N ₃ O ₆ FW 365.30
C^N Cyclometalating Ligands	
2-Phenylpyridine	
CAT#CN601	
	CAS# [1008-89-5] Formula C ₁₁ H ₉ N FW 155.20
2-(4-Tolyl)pyridine	
CAT# CN602	
	CAS# [4467-06-5] Formula C ₁₂ H ₁₁ N FW 169.22
4-(2-Pyridyl)benzaldehyde	
CAT# CN603	
	CAS# [127406-56-8] Formula C ₁₂ H ₉ NO FW 183.21

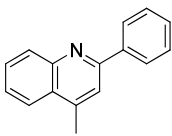
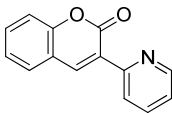
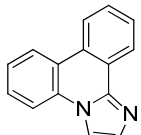
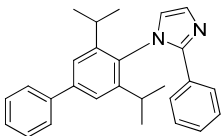
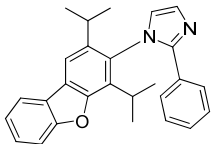
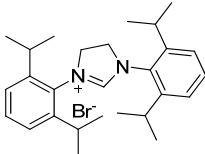
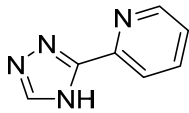
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CAT# CN604	
	CAS# [391604-55-0] Formula C ₁₁ H ₇ NF ₂ FW 191.18
2-(2,4-Difluorophenyl)-5-(trifluoromethyl)pyridine	
CAT# CN648	
	CAS# [387827-64-7] Formula C ₁₂ H ₆ F ₅ N FW 259.17
4-Pyridin-2-yl-benzoic acid	
CAT# CN605	
	CAS# [4385-62-0] Formula C ₁₂ H ₉ NO ₂ FW 199.21
3-Pyridin-2-yl-benzoic acid	
CAT# CN606	
	CAS# [4467-07-6] Formula C ₁₂ H ₉ NO ₂ FW 199.21
2-Methyl-6-phenylpyridine	
CAT# CN607	
	CAS# [46181-30-0] Formula C ₁₂ H ₁₁ N FW 169.22
3-Methyl-2-phenylpyridine	
CAT# CN608	
	CAS# [10273-90-2] Formula C ₁₂ H ₁₁ N FW 169.22
4-Methyl-2-phenylpyridine	
CAT# CN609	
	CAS# [3475-21-6] Formula C ₁₂ H ₁₁ N FW 169.22
5-Methyl-2-phenylpyridine	
CAT# CN610	
	CAS# [27012-22-2] Formula C ₁₂ H ₁₁ N FW 169.22

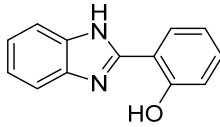
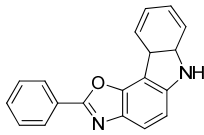
2-Phenylnicotinic acid			CAT# CN611
	CAS#	[33421-39-5]	
	Formula	C ₁₂ H ₉ NO ₂	
	FW	199.21	
2-Phenylpyridine-4-carboxylic acid			CAT# CN612
	CAS#	[55240-51-2]	
	Formula	C ₁₂ H ₉ NO ₂	
	FW	199.21	
6-Phenylpyridine-3-carboxylic acid			CAT# CN613
	CAS#	[29051-44-3]	
	Formula	C ₁₂ H ₉ NO ₂	
	FW	199.21	
2,3-Diphenylpyridine			CAT# CN614
	CAS#	[33421-53-3]	
	Formula	C ₁₇ H ₁₃ N	
	FW	231.29	
2,4-Diphenylpyridine			CAT# CN615
	CAS#	[26274-35-1]	
	Formula	C ₁₇ H ₁₃ N	
	FW	231.29	
4-Phenyl-2-(p-tolyl)pyridine			CAT# CN950
	CAS#		
	Formula	C ₁₈ H ₁₅ N	
	FW	245.32	
2-([1,1'-Biphenyl]-3-yl)pyridine			CAT# CN709
	CAS#	[458541-39-4]	
	Formula	C ₁₇ H ₁₃ N	
	FW	231.29	
2-([1,1'-Biphenyl]-3-yl)-5-methylpyridine			CAT# CN710
	CAS#		
	Formula	C ₁₈ H ₁₅ N	
	FW	245.32	

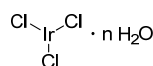
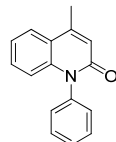
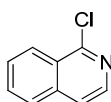
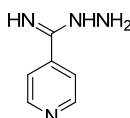
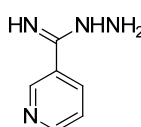
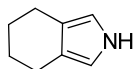
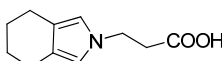
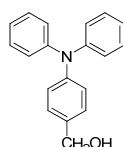
2,5-Diphenylpyridine			CAT# CN616
	CAS#	[15827-72-2]	
	Formula	C ₁₇ H ₁₃ N	
	FW	231.29	
2,2'-(5-Bromo-1,3-phenylene)dipyridine			CAT# CN646
	CAS#	[150239-89-7]	
	Formula	C ₁₆ H ₁₁ BrN ₂	
	FW	311.18	
1-Phenylisoquinoline			CAT# CN617
	CAS#	[3297-72-1]	
	Formula	C ₁₅ H ₁₁ N	
	FW	205.25	
2-Phenylquinoline			CAT# CN618
	CAS#	[612-96-4]	
	Formula	C ₁₅ H ₁₁ N	
	FW	205.25	
3-Phenylisoquinoline			CAT# CN619
	CAS#	[37993-76-3]	
	Formula	C ₁₅ H ₁₁ N	
	FW	205.25	
3,4-Diphenylisoquinoline			CAT# CN620
	CAS#	[52839-45-9]	
	Formula	C ₂₁ H ₁₅ N	
	FW	281.35	
Benzo[h]quinoline			CAT# CN621
	CAS#	[230-27-3]	
	Formula	C ₁₃ H ₉ N	
	FW	179.22	
Benzo[f]quinoline			CAT# CN639
	CAS#	[85-02-9]	
	Formula	C ₁₃ H ₉ N	
	FW	179.22	

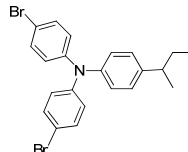
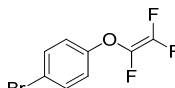
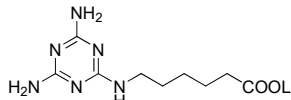
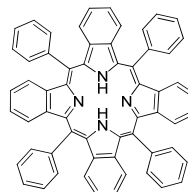
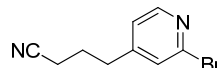
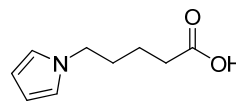
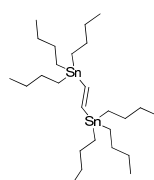
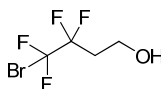
1-(9,9-Dimethyl-9H-fluoren-2-yl)-isoquinoline		
CAT# CN622		
	CAS#	[435277-99-9]
	Formula	C ₂₄ H ₁₉ N
	FW	321.41
2-(9,9-Dimethyl-9H-fluoren-2-yl)-quinoline		
CAT# CN623		
	CAS#	[889750-37-2]
	Formula	C ₂₄ H ₁₉ N
	FW	321.41
2,5-Diphenyloxazole		
CAT# CN624		
	CAS#	[92-71-7]
	Formula	C ₁₅ H ₁₁ NO
	FW	221.25
2-Phenylbenzothiazole		
CAT# CN625		
	CAS#	[883-93-2]
	Formula	C ₁₃ H ₉ NS
	FW	211.28
2-Phenylquinoline acid		
CAT# CN626		
	CAS#	[132-60-5]
	Formula	C ₁₆ H ₁₁ NO ₂
	FW	249.26
Methyl-2-phenyl-4-quinolinecarboxylate		
CAT# CN627		
	CAS#	[4546-48-9]
	Formula	C ₁₇ H ₁₃ NO ₂
	FW	263.29
2,3-Diphenylquinoxaline		
CAT# CN628		
	CAS#	[1684-14-6]
	Formula	C ₂₀ H ₁₄ N ₂
	FW	282.34
2-(Benzo[b]thiophen-2-yl)pyridine		
CAT# CN629		
	CAS#	[38210-35-4]
	Formula	C ₁₃ H ₉ NS
	FW	211.28

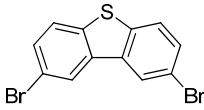
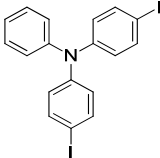
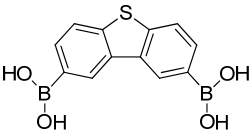
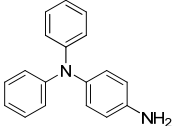
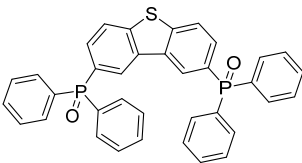
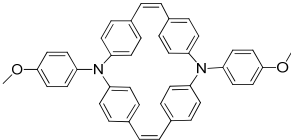
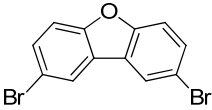
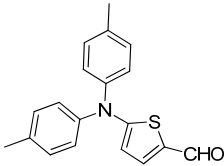
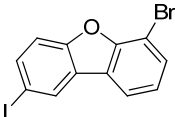
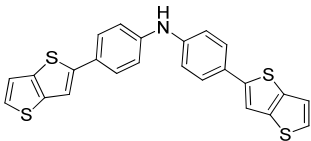
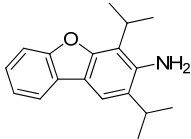
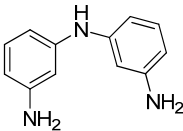
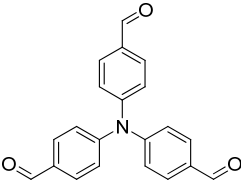
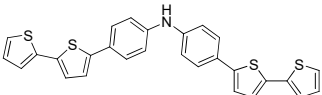
2-Methyldibenzo[f,h]quinoxaline		
CAT# CN630		
	CAS#	[536753-86-3]
	Formula	C ₁₇ H ₁₂ N ₂
	FW	244.29
(4-(Pyridin-2-yl)phenyl)methane sodium sulfonate		
CAT# CN631		
	CAS#	
	Formula	C ₁₂ H ₁₀ NO ₃ Na
	FW	271.27
5-Methyl-1-phenylisoquinoline		
CAT# CN632		
	CAS#	[700380-16-1]
	Formula	C ₁₆ H ₁₃ N
	FW	219.28
2-(3,5-Dimethylphenyl)quinoline		
CAT# CN633		
	CAS#	[1056451-44-5]
	Formula	C ₁₇ H ₁₅ N
	FW	233.31
1-(Biphenyl-4-yl)isoquinoline		
CAT# CN634		
	CAS#	[110746-63-9]
	Formula	C ₂₁ H ₁₅ N
	FW	281.35
1-(2,6-Dimethylphenyl)-2-phenyl-1H-imidazole		
CAT# CN635		
	CAS#	[914306-48-2]
	Formula	C ₁₇ H ₁₆ N ₂
	FW	248.32
1-(2,6-Diisopropylphenyl)-2-phenyl-1H-imidazole		
CAT# CN636		
	CAS#	[914306-50-6]
	Formula	C ₂₁ H ₂₄ N ₂
	FW	304.43

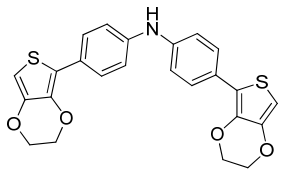
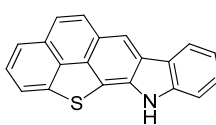
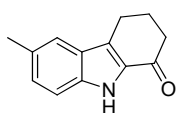
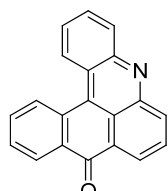
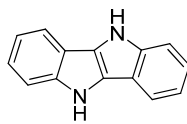
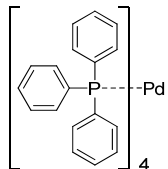
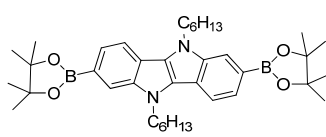
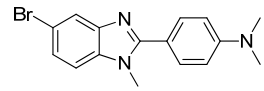
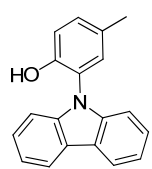
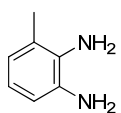
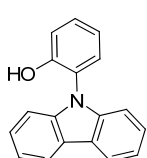
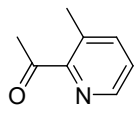
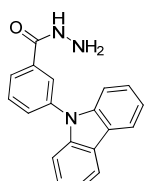
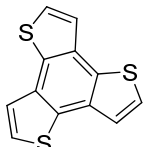
4-Methyl-2-phenylquinoline	
CAT# CN637	
	CAS# [4789-76-8] Formula C ₁₆ H ₁₃ N FW 219.28
3-(Pyridin-2-yl)-2H-chromen-2-one	
CAT# CN638	
	CAS# [837-97-8] Formula C ₁₄ H ₉ NO ₂ FW 223.23
Imidazo[1,2-f]phenanthridine	
CAT# CN640	
	CAS# [37694-95-4] Formula C ₁₅ H ₁₀ N ₂ FW 218.25
1-(3,5-Diisopropylbiphenyl-4-yl)-2-phenyl-1H-imidazole	
CAT# CN642	
	CAS# [1272455-54-5] Formula C ₂₇ H ₂₆ N ₂ FW 380.52
1-(2,4-Diisopropylbenzo[b,d]furan-3-yl)-2-phenyl-1H-imidazole	
CAT# CN645	
	CAS# Formula C ₂₇ H ₂₆ N ₂ O FW 394.51
1,3-Bis(2,6-diisopropylphenyl)-4,5-dihydro-1H-imidazol-3-ium bromide	
CAT# CN647	
	CAS# [1034137-22-8] Formula C ₂₇ H ₃₈ BrN ₂ FW 471.52
2-(4H-1,2,4-triazol-3-yl)pyridine	
CAT# CN649	
	CAS# [23195-62-2] Formula C ₇ H ₆ N ₄ FW 146.15

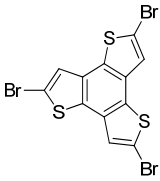
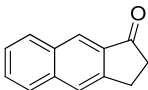
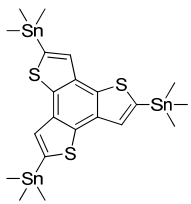
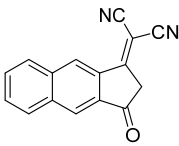
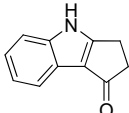
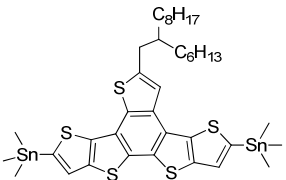
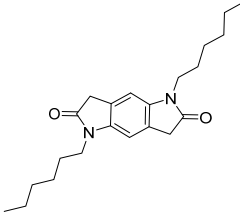
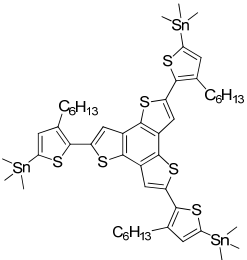
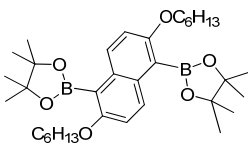
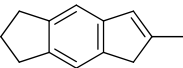
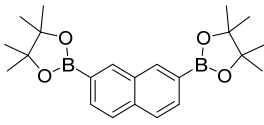
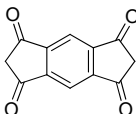
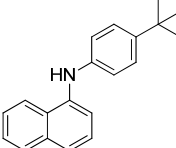
2-(1H-benzo[d]imidazol-2-yl)phenol	
CAT# CN651	
	CAS# [2963-66-8] Formula C ₁₃ H ₁₀ N ₂ O FW 210.24
2-Phenyl-6a,10a-dihydro-6H-oxazolo[4,5-c]carbazole	
CAT# CN650	
	CAS# Formula C ₁₉ H ₁₄ N ₂ O FW 286.33

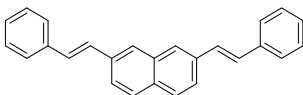
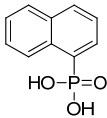
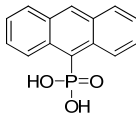
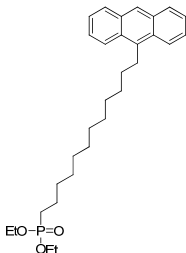
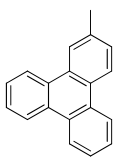
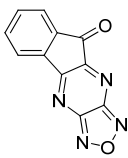
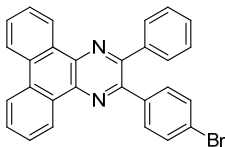
Other chemicals			
Iridium(III) Chloride hydrate			
CAT# IR101			
	CAS#	[14996-61-3]	
	Formula	IrCl ₃ ·H ₂ O	
	FW	316.59	
4-Methyl-1-phenyl-2(1 <i>H</i>)-quinolone			
CAT# OC1001			
	CAS#	[2540-30-9]	
	Formula	C ₁₆ H ₁₃ NO	
	FW	235.28	
1-Chloroisoquinoline			
CAT# OC1002			
	CAS#	[19493-44-8]	
	Formula	C ₉ H ₆ ClN	
	FW	163.60	
Isonicotinimidohydrazide			
CAT# OC1011			
	CAS#		
	Formula	C ₆ H ₈ N ₄	
	FW	136.15	
Nicotinimidohydrazide			
CAT# OC1012			
	CAS#		
	Formula	C ₆ H ₈ N ₄	
	FW	136.15	
4,5,6,7-Tetrahydro-2 <i>H</i> -isoindole			
CAT# OC1003			
	CAS#	[51649-35-5]	
	Formula	C ₈ H ₁₁ N	
	FW	121.18	
3-(4,5,6,7-Tetrahydro-2 <i>H</i> -isoindol-2-yl)propanoic acid			
CAT# OC1004			
	CAS#		
	Formula	C ₁₁ H ₁₅ NO ₂	
	FW	193.24	
(4-(Diphenylamino)phenyl)methanol			
CAT# OC1005			
	CAS#	[25069-40-3]	
	Formula	C ₁₉ H ₁₇ NO	
	FW	275.34	

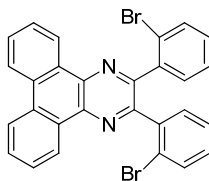
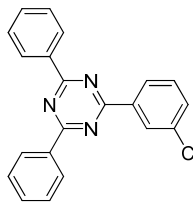
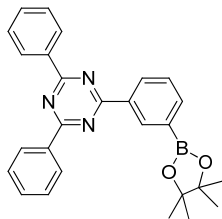
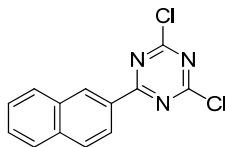
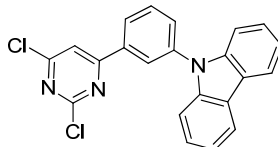
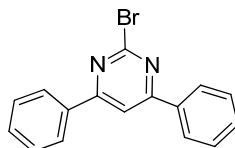
4-Bromo-N-(4-bromophenyl)-N-(4-(sec-butyl)phenyl)aniline			
CAT# OC1052			
	CAS#	[287976-94-7]	
	Formula	C ₂₂ H ₂₁ Br ₂ N	
	FW	459.22	
1-Bromo-4-(1,2,2-trifluorovinyloxy)benzene			
CAT# OC1006			
	CAS#	[184910-53-0]	
	Formula	C ₈ H ₄ BrF ₃ O	
	FW	253.02	
lithium 6-(4,6-diamino-1,3,5-triazin-2-ylamino)hexanoate			
CAT# OC1007			
	CAS#		
	Formula	C ₉ H ₁₅ LiN ₆ O ₂	
	FW	246.20	
Tetraphenyltetrabenzoporphyrin			
TPBP			
CAT# OC1008			
	CAS#	[80528-89-8]	
	Formula	C ₈₀ H ₃₈ N ₄	
	FW	814.97	
4-(2-Bromopyridin-4-yl)butanenitrile			
CAT# OC1009			
	CAS#		
	Formula	C ₉ H ₉ BrN ₂	
	FW	225.09	
5-(1 <i>H</i> -pyrrol-1-yl)pentanoic acid			
CAT# OC1010			
	CAS#	[145511-35-9]	
	Formula	C ₉ H ₁₃ NO ₂	
	FW	167.21	
(E)-1,2-bis(tributylstannyl)ethene			
CAT# OC1013			
	CAS#	[14275-61-7]	
	Formula	C ₂₆ H ₅₆ Sn ₂	
	FW	606.14	
4-Bromo-3,3,4,4-tetrafluorobutan-1-ol			
CAT# OC1019			
	CAS#	[234443-21-1]	
	Formula	C ₄ H ₅ BrF ₄ O	
	FW	224.98	

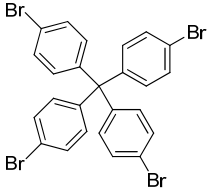
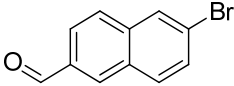
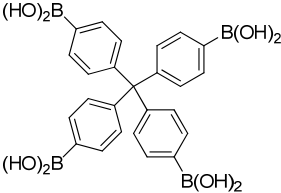
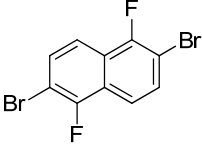
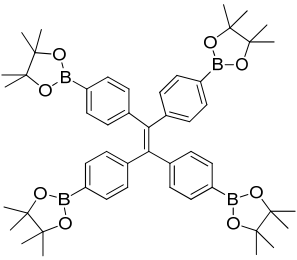
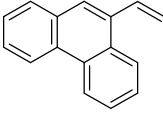
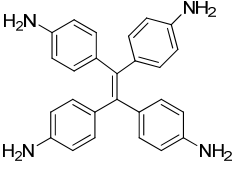
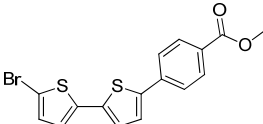
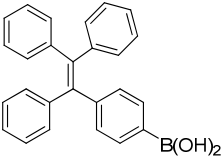
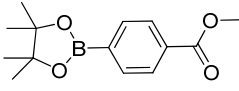
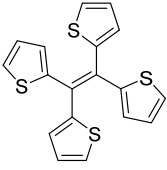
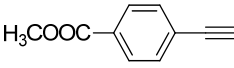
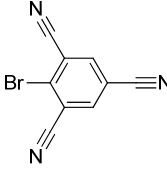
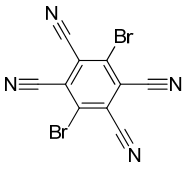
2,8-Dibromodibenzo[<i>b,d</i>]thiophene CAT# OC1026  CAS# [31574-87-5] Formula $C_{12}H_6Br_2S$ FW 342.05	4-Iodo-N-(4-iodophenyl)-N-phenylaniline CAT# OC1041  CAS# [218909-60-5] Formula $C_{18}H_{13}I_2N$ FW 497.11
Dibenzo[<i>b,d</i>]thiophene-2,8-diylidiboronic acid CAT# OC1038  CAS# [761405-37-2] Formula $C_{12}H_{10}B_2O_4S$ FW 271.89	N,N-Diphenyl-p-phenylenediamine CAT# OC1045  CAS# [2350-01-8] Formula $C_{18}H_{16}N_2$ FW 260.33
Dibenzo[<i>b,d</i>]thiophene-2,8-diylbis(diphenylphosphine oxide) CAT# OC1039  CAS# [1019842-99-9] Formula $C_{36}H_{26}O_2P_2S$ FW 584.60	N,N-diphenyl-4-methoxyaniline dimmer CAT# OC1046  CAS# / Formula $C_{42}H_{34}N_2O_2$ FW 598.73
2,8-Dibromodibenzo[<i>b,d</i>]furan CAT# OC1027  CAS# Formula $C_{12}H_6Br_2O$ FW 325.98	5-(Di-p-tolylamino)thiophene-2-carbaldehyde CAT# OC1047  CAS# [98660-86-7] Formula $C_{19}H_{17}NOS$ FW 307.41
6-Bromo-2-iododibenzo[<i>b,d</i>]furan CAT# OC1029  CAS# [916435-45-5] Formula $C_{12}H_6BrIO$ FW 372.98	Bis(4-(thieno[3,2-<i>b</i>]thiophen-2-yl)phenyl)amine CAT# OC1048  CAS# Formula $C_{24}H_{15}NS_4$ FW 445.64
2,4-Diisopropyldibenzo[<i>b,d</i>]furan-3-amine CAT# OC1035  CAS# [1332881-95-4] Formula $C_{18}H_{21}NO$ FW 267.37	N1-(3-aminophenyl)benzene-1,3-diamine CAT# OC1043  CAS# [219853-08-4] Formula $C_{12}H_{13}N_3$ FW 199.25
4,4',4''-Nitrilotribenzaldehyde CAT# OC1040  CAS# [119001-43-3] Formula $C_{21}H_{15}NO_3$ FW 329.35	Bis(4-([2,2'-bithiophen]-5-yl)phenyl)amine CAT# OC1044  CAS# Formula $C_{28}H_{18}NS_4$ FW 497.72

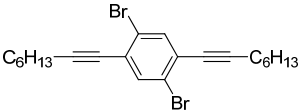
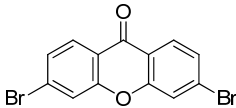
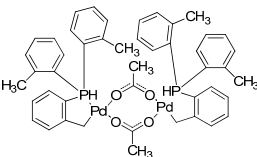
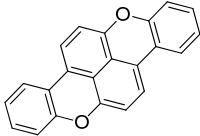
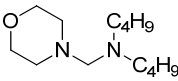
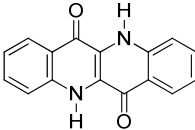
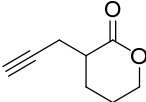
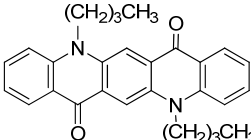
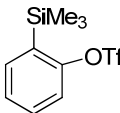
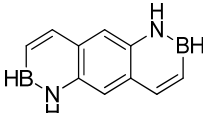
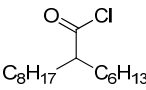
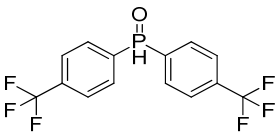
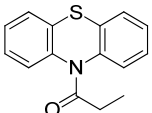
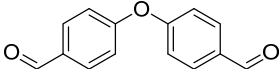
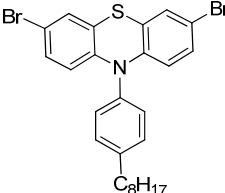
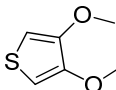
Bis(4-(2,3-dihydrothieno[3,4-b][1,4]dioxin-5-yl)phenyl)amine CAT# OC1042	11H-thieno[2',3',4',5':4,5]phenanthro[3,2-b]indole CAT# OC1057
 CAS# Formula $C_{24}H_{19}NO_4S_2$ FW 449.54	 CAS# / Formula $C_{20}H_{11}NS$ FW 297.37
6-Methyl-2,3,4,9-tetrahydro-1H-carbazol-1-one CAT# OC1050	9H-naphtho[3,2,1-k]acridin-9-one CAT# OC1082
 CAS# Formula $C_{13}H_{13}NO$ FW 199.25	 CAS# Formula $C_{20}H_{11}NO$ FW 281.31
5,10-Dihydroindolo[3,2-b]indole CAT# OC1053	Tetrakis(triphenylphosphine)palladium(0) CAT# OC1100
 CAS# [3682-85-7] Formula $C_{14}H_{10}N_2$ FW 206.24	 CAS# [14221-01-3] Formula $C_{72}H_{60}P_4Pd$ FW 1155.59
5,10-Dihexyl-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-5,10-dihydroindolo[3,2-b]indole CAT# OC1051	4-(5-Bromo-1-methyl-1H-benzo[d]imidazol-2-yl)-N,N-dimethylaniline CAT# OC1110
 CAS# [2057469-39-1] Formula $C_{38}H_{56}B_2N_2O_4$ FW 626.48	 CAS# / Formula $C_{16}H_{16}BrN_3$ FW 330.22
2-(9H-carbazol-9-yl)-4-methylphenol CAT# OC1054	3-Methyl-1,2-phenylenediamine CAT# OC1120
 CAS# [620987-78-2] Formula $C_{19}H_{15}NO$ FW 273.33	 CAS# [2687-25-4] Formula $C_7H_{10}N_2$ FW 122.17
2-(9H-carbazol-9-yl)phenol CAT# OC1055	2-Acetyl-3-Methylpyridine CAT# OC1150
 CAS# Formula $C_{18}H_{13}NO$ FW 259.30	 CAS# [85279-30-7] Formula C_8H_9NO FW 135.16
3-Carbazol-9-ylbenzhydrazide CAT# OC1056	Benzo[1,2-b:3,4-b':5,6-b'']trithiophene CAT# OC1160
 CAS# Formula $C_{19}H_{15}N_3O$ FW 301.34	 CAS# [29150-63-8] Formula $C_{12}H_6S_3$ FW 246.37

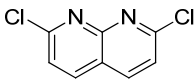
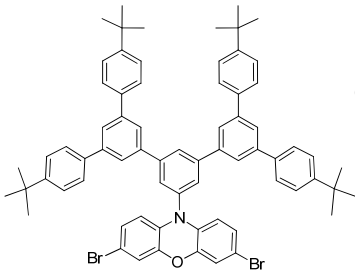
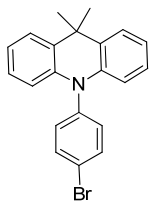
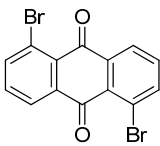
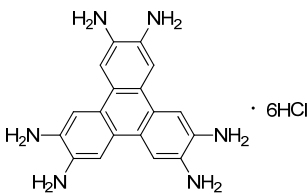
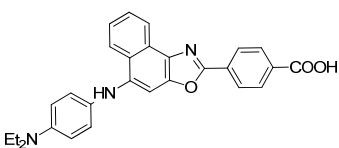
2,5,8-Tribromobenzo[1,2-b:3,4-b':5,6-b'']trithiophene CAT# OC1151  CAS# [1174223-26-7] Formula $C_{12}H_3Br_3S_3$ FW 483.05	2,3-Dihydro-1H-cyclopenta[b]naphthalen-1-one CAT# OC1170  CAS# [109341-49-3] Formula $C_{13}H_{10}O$ FW 182.22
2,5,8-Tris(trimethylstannyl)benzo[1,2-b:3,4-b':5,6-b'']trithiophene CAT# OC1161  CAS# [1289556-30-4] Formula $C_{21}H_{30}S_3Sn_3$ FW 734.79	2-(3-Oxo-2,3-dihydro-1H-cyclopenta[b]naphthalen-1-ylidene)malononitrile CAT# OC1270  CAS# [2109805-70-9] Formula $C_{16}H_8N_2O$ FW 244.25
(5-(2-Hexyldecyl)benzo[1,2-b:3,4-b':5,6-b'']trithiophene-2,8-diyl)bis(trimethylstannane) DTBTT-2Sn CAT# OC1163	2,3-Dihydrocyclopenta[b]indol-1(4H)-one CAT# OC1171  CAS# [61364-20-3] Formula $C_{11}H_9NO$ FW 171.20
 CAS# / Formula $C_{38}H_{54}S_5Sn_2$ FW 908.58	1,5-Dihexyl-5,7-dihydropyrrolo[2,3-f]indole-2,6(1H,3H)-dione CAT# OC1196  CAS# [929541-15-1] Formula $C_{22}H_{32}N_2O_2$ FW 356.50
2,5,8-Tris(3-hexyl-5-(trimethylstannyl)thiophen-2-yl)benzo[1,2-b:3,4-b':5,6-b'']trithiophene CAT# OC1261  CAS# / Formula $C_{51}H_{72}S_6Sn_3$ FW 1233.64	2,2'-(2,6-Bis(hexyloxy)naphthalene-1,5-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane) CAT# OC1159  CAS# [2357137-42-7] Formula $C_{34}H_{54}B_2O_6$ FW 580.41
6-Methyl-1,2,3,5-tetrahydros-indacene CAT# OC1165  CAS# [202667-45-6] Formula $C_{13}H_{14}$ FW 170.25	2,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)naphthalene CAT# OC1199  CAS# [853377-10-3] Formula $C_{22}H_{30}B_2O_4$ FW 380.10
S-indacene-1,3,5,7(2H,6H)-tetraone CAT# OC1166  CAS# [53910-13-7] Formula $C_{12}H_6O_4$ FW 214.17	N-(4-(tert-butyl)phenyl)naphthalen-1-amine CAT# OC1152  CAS# [4572-48-9] Formula $C_{20}H_{21}N$ FW 275.39

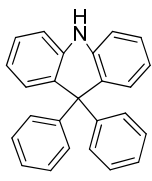
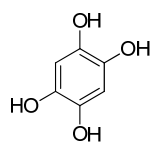
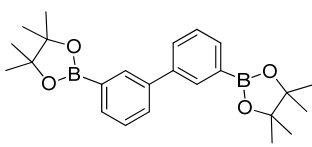
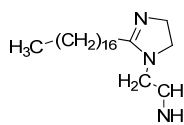
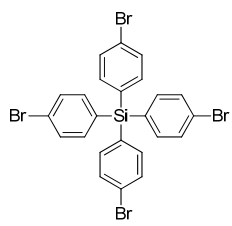
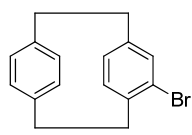
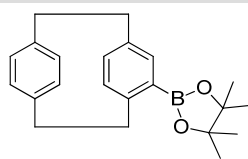
2,7-Di((E)-styryl)naphthalene	
CAT# OC1153	
	CAS# [32057-88-8] Formula $C_{26}H_{20}$ FW 332.45
Naphthalen-1-ylphosphonic acid	
CAT# OC1172	
	CAS# Formula $C_{10}H_9O_3P$ FW 208.15
Anthracen-9-ylphosphonic acid	
CAT# OC1174	
	CAS# Formula $C_{14}H_{11}O_3P$ FW 258.21
Diethyl 12-(anthracen-9-yl)dodecylphosphonate	
CAT# OC1175	
	CAS# Formula $C_{30}H_{43}O_3P$ FW 482.63
2-Methyltriphenylene	
CAT# OC1185	
	CAS# Formula $C_{19}H_{14}$ FW 242.31
9H-indeno[1,2-b][1,5]oxadiazolo[3,4-e]pyrazin-9-one	
CAT# OC1181	
	CAS# [67200-34-4] Formula $C_{11}H_4N_4O_2$ FW 224.18
2-(4-Bromophenyl)-3-phenyldibenzo[f,h]quinoxaline	
CAT# OC1186	
	CAS# / Formula $C_{28}H_{17}BrN_2$ FW 461.35

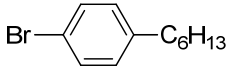
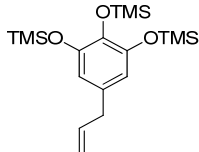
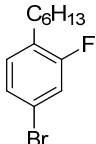
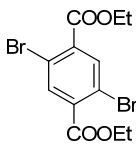
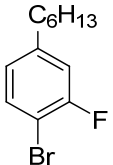
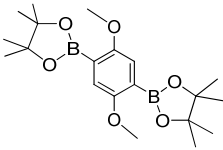
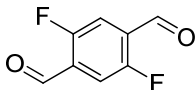
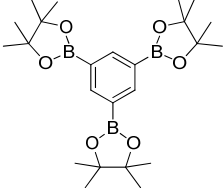
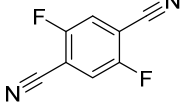
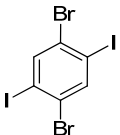
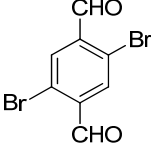
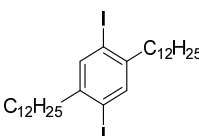
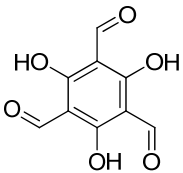
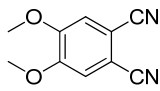
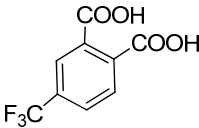
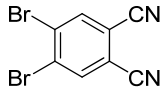
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CAT# OC1187	
	CAS# / Formula $C_{28}H_{16}Br_2N_2$ FW 540.25
2-(3-Chlorophenyl)-4,6-diphenyl-1,3,5-triazine	
CAT# OC1324	
	CAS# Formula $C_{21}H_{14}ClN_3$ FW 343.81
2,4-Diphenyl-6-(3-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl)-1,3,5-triazine	
CAT# OC1325	
	CAS# Formula $C_{27}H_{26}BN_3O_2$ FW 435.33
2,4-Dichloro-6-(naphthalen-2-yl)-1,3,5-triazine	
CAT# OC1326	
	CAS# [112719-97-8] Formula $C_{13}H_7Cl_2N_3$ FW 276.12
9-(3-(2,6-Dichloropyrimidin-4-yl)phenyl)-9H-carbazole	
CAT# OC1330	
	CAS# / Formula $C_{22}H_{13}Cl_2N_3$ FW 390.26
2-Bromo-4,6-diphenylpyrimidine	
CAT# OC1328	
	CAS# [56181-49-8] Formula $C_{18}H_{11}BrN_2$ FW 311.18

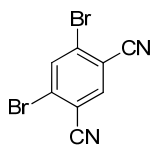
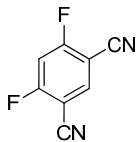
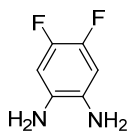
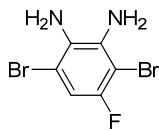
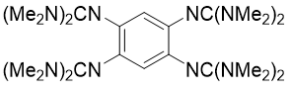
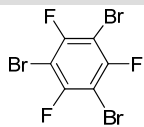
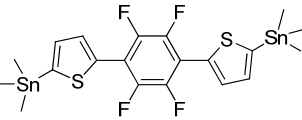
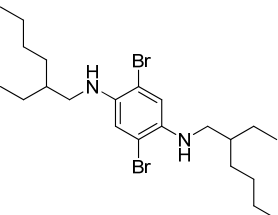
Tetrakis(4-bromophenyl)methane CAT# OC1409  CAS# Formula $C_{25}H_{16}Br_4$ FW 636.01	6-Bromo-2-naphthaldehyde CAT# OC1456  CAS# [170737-46-9] Formula $C_{11}H_7BrO$ FW 235.08
4,4',4'',4'''-Methanetetrayltetrakis(benzene-4,1-diyl)tetraboronic acid CAT# OC1410  CAS# Formula $C_{25}H_{24}B_4O_8$ FW 495.70	2,6-Dibromo-1,5-difluoronaphthalene CAT# OC1460  CAS# Formula $C_{10}H_4Br_2F_2$ FW 321.94
1,1,2-Tetrakis(4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl)ethene CAT# OC1420  CAS# Formula $C_{50}H_{64}B_4O_8$ FW 836.28	Phenanthrene,9-ethenyl- CAT# OC1470  CAS# [14134-06-6] Formula $C_{16}H_{12}$ FW 204.27
4,4',4'',4'''-(Ethene-1,1,2,2-tetrayl)tetraaniline CAT# OC1422  CAS# [78525-34-5] Formula $C_{26}H_{24}N_4$ FW 392.50	Methyl 4-(5'-bromo-[2,2'-bithiophen]-5-yl)benzoate CAT# OC1070  CAS# Formula $C_{16}H_{11}BrO_2S_2$ FW 379.29
(4-(1,2,2-Triphenylvinyl)phenyl)boronic acid CAT# OC1421  CAS# [1227040-87-0] Formula $C_{26}H_{21}BO_2$ FW 376.25	Methyl 4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)benzoate CAT# OC1071  CAS# [171364-80-0] Formula $C_{14}H_{19}BO_4$ FW 262.11
Thiophene, 2,2',2'',2'''-(1,2-ethenediylidene)tetrakis- CAT# OC1430  CAS# [139376-06-0] Formula $C_{18}H_{12}S_4$ FW 356.55	Methyl 4-ethynylbenzoate CAT# OC1092  CAS# [3034-86-4] Formula $C_{10}H_8O_2$ FW 160.17
	2-Bromobenzene-1,3,5-tricarbonitrile CAT# OC1093  CAS# [13520-05-3] Formula $C_6H_2BrN_3$ FW 232.04
	3,6-Dibromobenzene-1,2,4,5-tetracarbonitrile CAT# OC1094  CAS# / Formula $C_{10}Br_2N_4$ FW 335.94

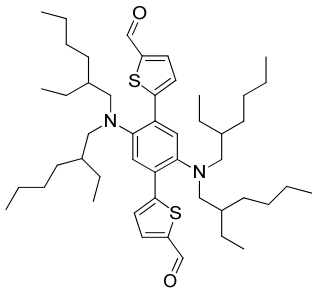
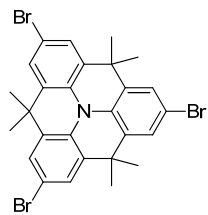
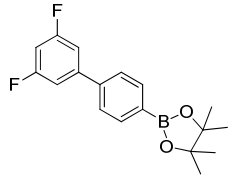
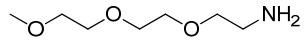
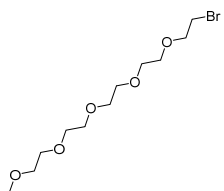
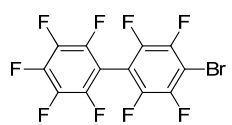
1,4-Dibromo-2,5-di(oct-1-yn-1-yl)benzene CAT# OC1096	3,6-Dibromo-9H-xanthen-9-one CAT# OC1212
 CAS# [190372-19-1] Formula $C_{22}H_{28}Br_2$ FW 452.27	 CAS# [40102-85-0] Formula $C_{13}H_6Br_2O_2$ FW 353.99
Trans-Bis(acetato)bis[o-(di-o-tolylphosphino)benzyl]dipalladium(II) CAT# OC1098	Xantheno[2,1,9-mna]xanthene CAT# OC1213
 CAS# [172418-32-5] Formula $C_{46}H_{46}O_4P_2Pd_2$ FW 937.64	 CAS# Formula $C_{22}H_{12}O_2$ FW 308.33
N-butyl-N-(morpholinomethyl)butan-1-amine CAT# OC1155	Dibenzo[b,g][1,5]naphthyridine-6,12(5H,11H)-dione CAT# OC1214
 CAS# [67215-50-3] Formula $C_{13}H_{28}N_2O$ FW 228.37	 CAS# Formula $C_{16}H_{10}N_2O_2$ FW 262.26
3-(Prop-2-ynyl)tetrahydro-2H-pyran-2-one CAT# OC1157	N,N'-Dibutylquinacridone CAT# OC1220
 CAS# Formula $C_8H_{10}O_2$ FW 138.16	 CAS# [99762-80-8] Formula $C_{28}H_{28}N_2O_2$ FW 424.53
2-(Trimethylsilyl)phenyl trifluoromethanesulfonate CAT# OC1180	1,2,6,7-Tetrahydrobenzo[1,2-e:4,5-e']bis([1,2]azaborinine) CAT# OC1221
 CAS# Formula $C_{10}H_{13}F_3O_3SSi$ FW 298.35	 CAS# Formula $C_{10}H_{10}B_2N_2$ FW 179.82
2-Hexyldecanoyl chloride CAT# OC1200	Bis(4-(trifluoromethyl)phenyl)phosphine oxide CAT# OC1222
 CAS# Formula $C_{16}H_{31}ClO$ FW 274.87	 CAS# [15929-43-8] Formula $C_{14}H_9F_6OP$ FW 338.18
1-(10H-phenothiazin-10-yl)propan-1-one CAT# OC1210	4,4'-Oxydibenzaldehyde CAT# OC1223
 CAS# Formula $C_{15}H_{13}NOS$ FW 255.33	 CAS# [2265-76-1] Formula $C_{14}H_{10}O_3$ FW 226.23
3,7-Dibromo-10-(4-octylphenyl)-10H-phenothiazine CAT# OC1211	3,4-Dimethoxythiophene CAT# OC1215
 CAS# Formula $C_{26}H_{27}Br_2NS$ FW 545.37	 CAS# [51792-34-8] Formula $C_6H_6O_2S$ FW 144.19

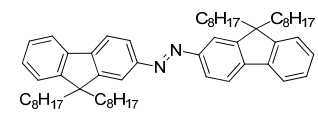
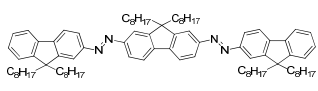
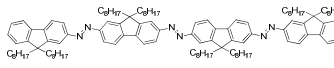
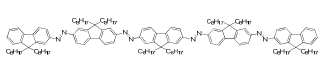
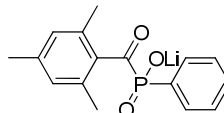
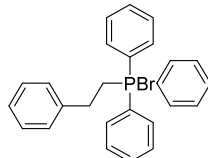
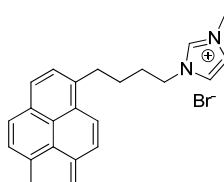
2,7-Dichloro-1,8-naphthyridine	
CAT# OC1216	
	CAS# [55243-02-2] Formula $C_8H_4Cl_2N_2$ FW 199.04
3,7-Dibromo-10-(4,4''-di-tert-butyl-5',5'''-bis(4-(tert-butyl)phenyl)-[1,1':3',1'':3'',1''':3''':3''''-quinquephenyl]-5''-yl)-10H-phenoxazine	
CAT# OC1217	
	CAS# [1203471-43-5] Formula $C_{70}H_{67}Br_2NO$ FW 1098.10
10-(4-Bromophenyl)-9,9-dimethyl-9,10-dihydroacridine	
CAT# OC1218	
	CAS# [1342892-15-2] Formula $C_{21}H_{18}BrN$ FW 364.28
1,5-Dibromoanthracene-9,10-dione	
CAT# OC1219	
	CAS# [602-77-7] Formula $C_{14}H_6Br_2O_2$ FW 366.00
2,3,6,7,10,11-Hexaaminotriphenylene	
CAT# OC1230	
	CAS# [1350518-27-2] Formula $C_{18}H_{24}Cl_6N_6$ FW 537.14
4-(5-(4-(Diethylamino)phenylamino)naphtho[1,2-d]oxazol-2-yl)benzoic acid	
CAT# OC1250	
	CAS# Formula $C_{28}H_{25}N_3O_3$ FW 451.52

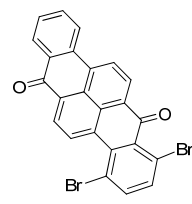
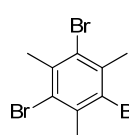
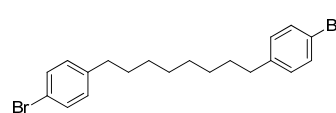
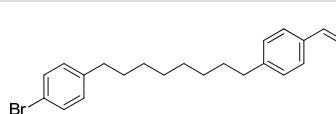
9,9-Diphenyl-9,10-dihydroacridine	
CAT# OC1300	
	CAS# [20474-15-1] Formula $C_{25}H_{19}N$ FW 333.43
Benzene-1,2,4,5-tetraol	
CAT# OC3100	
	CAS# Formula $C_6H_6O_4$ FW 142.11
3,3'-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1,1'-biphenyl	
CAT# OC3112	
	CAS# [850264-92-5] Formula $C_{24}H_{32}B_2O_4$ FW 406.13
2-(2-Heptadecyl-4,5-dihydro-1H-imidazol-1-yl)ethanamine	
CAT# OC1310	
	CAS# Formula $C_{22}H_{43}N_3$ FW 351.61
Tetrakis(4-bromophenyl)silane	
CAT# OC1800	
	CAS# [18733-98-7] Formula $C_{24}H_{16}Br_4Si$ FW 652.09
4-Bromo(2,2)paracyclophane	
CAT# OC1450	
	CAS# [1908-61-8] Formula $C_{16}H_{15}Br$ FW 287.19
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)paracyclophane	
CAT# OC1451	
	CAS# Formula $C_{22}H_{27}BO_2$ FW 334.26

1-Bromo-4-hexylbenzene CAT# OC1697	((5-Allylbenzene-1,2,3-triyl)tris(oxy))tris(trimethylsilane) CAT# OC1808
 CAS# [23703-22-2] Formula C₁₂H₁₇Br FW 241.17	 CAS# Formula C₁₈H₃₄O₃Si₃ FW 382.72
4-Bromo-2-fluoro-1-hexylbenzene CAT# OC1698	Diethyl 2,5-dibromoterephthalate CAT# OC1701
 CAS# [1403380-08-4] Formula C₁₂H₁₆BrF FW 259.16	 CAS# [18013-97-3] Formula C₁₂H₁₂Br₂O₄ FW 380.03
1-Bromo-2-fluoro-4-hexylbenzene CAT# OC1699	2,2'-(2,5-Dimethoxy-1,4-phenylene)bis(4,4,5,5-tetramethyl-1,3,2-dioxab orolane) CAT# OC1801
 CAS# / Formula C₁₂H₁₆BrF FW 259.16	 CAS# [1338777-82-4] Formula C₂₀H₃₂B₂O₆ FW 390.09
2,5-Difluoroterephthalaldehyde CAT# OC1601	1,3,5-Tris(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)benzene CAT# OC1418
 CAS# [608145-27-3] Formula C₈H₄F₂O₂ FW 170.11	 CAS# [365564-05-2] Formula C₂₄H₃₆B₃O₆ FW 456.00
2,5-Difluoroterephthalonitrile CAT# OC1602	1,4-Dibromo-2,5-diiodobenzene CAT# OC1702
 CAS# [1897-49-0] Formula C₈H₂F₂N₂ FW 164.11	 CAS# [63262-06-6] Formula C₆H₂Br₂I₂ FW 487.70
2,5-Dibromoterephthalaldehyde CAT# OC1700	1,4-Didodecyl-2,5-diiodobenzene CAT# OC1710
 CAS# [63525-48-4] Formula C₈H₄Br₂O₂ FW 291.92	 CAS# [162715-93-7] Formula C₃₀H₅₂I₂ FW 666.55
2,4,6-Trihydroxybenzene-1,3,5-tricarbaldehyde CAT# OC1706	4,5-Dimethoxyphthalonitrile CAT# OC1802
 CAS# [34374-88-4] Formula C₉H₆O₆ FW 210.14	 CAS# [88946-67-2] Formula C₁₀H₈N₂O₂ FW 188.18
4-(Trifluoromethyl)phthalic acid CAT# OC1805	4,5-Dibromophthalonitrile CAT# OC1703
 CAS# [835-58-5] Formula C₉H₅F₃O₄ FW 234.13	 CAS# [86938-64-9] Formula C₈H₂Br₂N₂ FW 285.92

4,6-Dibromoisophthalonitrile	
CAT# OC1704	
	CAS# [244261-21-0] Formula $C_6H_2Br_2N_2$ FW 285.92
4,6-Difluoroisophthalonitrile	
CAT# OC1705	
	CAS# [17654-70-5] Formula $C_6H_2F_2N_2$ FW 164.11
4,5-Difluorobenzene-1,2-diamine	
CAT# OC1708	
	CAS# [76179-40-3] Formula $C_6H_4F_2N_2$ FW 144.12
3,6-Dibromo-4-fluorobenzene-1,2-diamine	
CAT# OC1803	
	CAS# [1347736-83-7] Formula $C_6H_3Br_2FN_2$ FW 283.92
2',2'',2''',2''''-(Benzene-1,2,4,5-tetrayl)tetrakis(1,1,3,3-tetramethylguanidine)	
CAT# OC1709	
	CAS# Formula $C_{26}H_{50}N_{12}$ FW 530.76
1,3,5-Tribromo-2,4,6-trifluorobenzene	
CAT# OC1707	
	CAS# [2368-49-2] Formula $C_6Br_3F_3$ FW 368.77
1,1'-[(2,3,5,6-Tetrafluoro-1,4-phenylene)di-5,2-thiophenediyl]bis[1,1,1-trimethyl-Stannane]	
CAT# OC1604	
	CAS# [1449302-74-2] Formula $C_{20}H_{22}F_4S_2Sn_2$ FW 639.93
2,5-Dibromo-N',N'-bis(2-ethylhexyl)benzene-1,4-diamine	
CAT# OC1605	
	CAS# / Formula $C_{22}H_{38}Br_2N_2$ FW 490.36

5,5'-(2,5-Bis(bis(2-ethylhexyl)amino)-1,4-phenylene)bis(thiophene-2-carbaldehyde)	
CAT# OC1606	
	CAS# / Formula $C_{48}H_{78}N_2O_2S_2$ FW 777.26
2,6,10-Tribromo-4,4,8,8,12,12-hexamethyl-8,12-dihydro-4H-benzo[1,9]quinoxalino[3,4,5,6,7-defg]acridine	
CAT# OC1900	
	CAS# [928642-02-8] Formula $C_{27}H_{24}Br_3N$ FW 602.20
2-(3',5'-Difluoro-[1,1'-biphenyl]-4-yl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane	
CAT# OC1503	
	CAS# [2250042-17-0] Formula $C_{18}H_{19}BF_2O_2$ FW 316.15
2-(2-(2-Methoxyethoxy)ethoxy)ethanamine	
CAT# OC1510	
	CAS# [74654-07-2] Formula $C_7H_{17}NO_3$ FW 163.21
16-Bromo-2,5,8,11,14-pentaoxahexadecane	
CAT# OC1512	
	CAS# [854601-80-2] Formula $C_{11}H_{23}BrO_5$ FW 315.20
4-Bromo-2,2',3,3',4',5,5',6,6'-nonafluoro-1,1'-biphenyl	
CAT# OC1505	
	CAS# [1038-65-9] Formula $C_{12}BrF_9$ FW 395.02

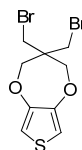
(E)-1,2-bis(9,9-dioctyl-9H-fluoren-2-yl)diazene	
OFLA	CAT# OC4001
	CAS# [1656266-53-3] Formula $C_{58}H_{82}N_2$ FW 807.29
(1E,1'E)-2,2'-(9,9-dioctyl-9H-fluorene-2,7-diyl)bis(1-(9,9-dioctyl-9H-fluoren-2-yl)diazene)	
OFL2A	CAT# OC4002
	CAS# / Formula $C_{87}H_{122}N_4$ FW 1223.93
(E)-1,2-bis(7-((E)-(9,9-dioctyl-9H-fluoren-2-yl)diazenyl)-9,9-dioctyl-9H-fluoren-2-yl)diazene	
OFL3A	CAT# OC4003
	CAS# / Formula $C_{116}H_{162}N_6$ FW 1640.57
(1E,1'E)-2,2'-(9,9-dioctyl-9H-fluorene-2,7-diyl)bis(1-(7-((E)-(9,9-dioctyl-9H-fluoren-2-yl)diazenyl)-9,9-dioctyl-9H-fluoren-2-yl)diazene)	
OFL4A	CAT# OC4004
	CAS# / Formula $C_{145}H_{202}N_8$ FW 2057.21
Lithium phenyl(2,4,6-trimethylbenzoyl)phosphinate	
	CAT# OC2000
	CAS# [85073-19-4] Formula $C_{16}H_{16}LiO_3P$ FW 294.21
Bromo(phenethyl)triphenyl-15-phosphane	
	CAT# OC2002
	CAS# [53213-26-6] Formula $C_{26}H_{24}BrP$ FW 447.36
Methyl-1-(4-(pyren-1-yl)butyl)-1H-imidazol-3-ium bromo	
	CAT# OC2020
	CAS# Formula $C_{24}H_{23}BrN_2$ FW 419.36

1,4-Dibromodibenzo[c,pqr]tetraphene-7,14-dione	
Vat Orange 1	CAT# OC4010
	CAS# [1324-11-4] Formula $C_{24}H_{10}Br_2O_2$ FW 487.90
1,3,5-Tribromo-2,4,6-trimethylbenzene	
	CAT# OC4011
	CAS# [608-72-0] Formula $C_9H_9Br_3$ FW 356.88
Benzene, 1,1'-(1,8-octanediyl)bis[4-bromo-	
	CAT# OC4020
	CAS# [102551-76-8] Formula $C_{20}H_{24}Br_2$ FW 424.21
1-Bromo-4-(8-(4-vinylphenyl)octyl)benzene	
	CAT# OC4021
	CAS# Formula $C_{22}H_{27}Br$ FW 371.35

Electrochromic Materials

3,3-Bis(bromomethyl)-3,4-dihydro-2H-thieno[3,4-b][1,4]dioxepine

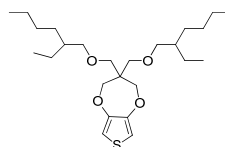
CAT# EC001



CAS# [701209-98-5]
Formula $C_9H_{10}Br_2O_2S$
FW 342.05

3,3-Bis(((2-ethylhexyl)oxy)methyl)-3,4-dihydro-2H-thieno[3,4-b][1,4]dioxepine

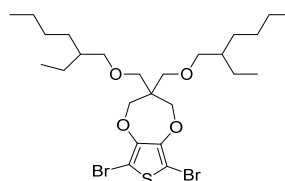
CAT# EC002



CAS# [634591-75-6]
Formula $C_{25}H_{44}O_4S$
FW 440.68

6,8-Dibromo-3,3-bis(((2-ethylhexyl)oxy)methyl)-3,4-dihydro-2H-thieno[3,4-b][1,4]dioxepine

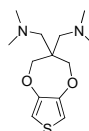
CAT# EC005



CAS# [700817-08-9]
Formula $C_{25}H_{42}Br_2O_4S$
FW 598.48

1,1'-(3,4-Dihydro-2H-thieno[3,4-b][1,4]dioxepine-3,3-diyl)bis(N,N-dimethylmethanamine)

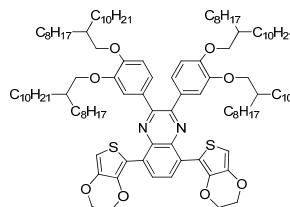
CAT# EC003



CAS#
Formula $C_{13}H_{22}N_2O_2S$
FW 270.39

2,3-Bis(3,4-bis((2-octyldodecyl)oxy)phenyl)-5,8-bis(2,3-dihydrothieno[3,4-b][1,4]dioxin-5-yl)quinoxaline

CAT# EC008



CAS# /
Formula $C_{112}H_{182}N_2O_8S_2$
FW 1748.78