

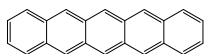
Organic Photovoltaic (OPV)

Codex International is LUMTEC official distributor in France

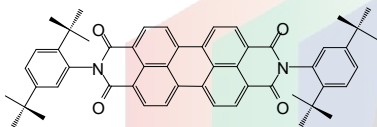
LT-S901 | Pentacene

Pentacene

CAS No. : 135-48-8
 Grade : Sublimed, > 99%
 Formula : $C_{22}H_{14}$
 M.W. : 278.35 g/mole
 UV : 300 nm (in CH_2Cl_2)
 PL : 509 nm (in CH_2Cl_2)
 TGA : > 240 °C (0.5% weight loss)

**LT-S902** | PDCDT*N,N'*-Bis(2,5-di-*tert*-butylphenyl)-3,4,9,10-perylene dicarboximide

CAS No. : 83054-80-2
 Grade : Sublimed, > 99%
 Formula : $C_{52}H_{50}N_2O_4$
 M.W. : 766.96 g/mole
 UV : 524 nm (in CH_2Cl_2)
 PL : 574 nm (in CH_2Cl_2)
 TGA : > 350 °C (0.5% weight loss)

**LT-S903** | C_{60} Fullerene- C_{60}

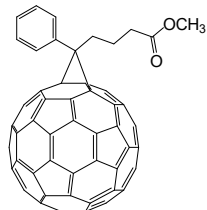
CAS No. : 99685-96-8
 Grade : > 99.5% (HPLC)
 Formula : C_{60}
 M.W. : 720.64 g/mole
 UV : 251 nm (in CH_2Cl_2)
 TGA : > 450 °C (0.5% weight loss)

**LT-S904** | PenPTC*N,N'*-Dipentyl-3,4,9,10-perylene dicarboximide

CAS No. : 76372-75-3
 Grade : Sublimed, > 99%
 Formula : $C_{34}H_{30}N_2O_4$
 M.W. : 530.61 g/mole
 UV : 523 nm (in CH_2Cl_2)
 PL : 573 nm (in CH_2Cl_2)
 TGA : > 350 °C (0.5% weight loss)

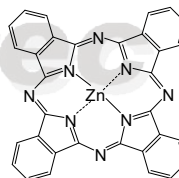
**LT-S905** | PCBM(6,6)-Phenyl C_{61} butyric acid methyl ester

CAS No. : 160848-22-6
 Grade : > 99.5% (HPLC)
 Formula : $C_{72}H_{14}O_2$
 M.W. : 910.88 g/mole
 UV : 258, 328 nm (in THF)
 TGA : > 350 °C (0.5% weight loss)

**LT-S906** | ZnPC

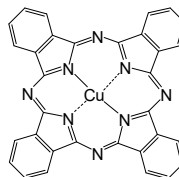
Zinc(II) phthalocyanine

CAS No. : 14320-04-8
 Grade : Sublimed, > 99%
 Formula : $C_{32}H_{16}N_8Zn$
 M.W. : 577.91 g/mole
 PL : 534 nm (in CH_2Cl_2)
 TGA : > 410 °C (0.5% weight loss)

**LT-E201** | CuPC

Copper(II) phthalocyanine

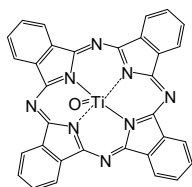
CAS No. : 147-14-8
 Grade : Sublimed, > 99%
 Formula : $C_{32}H_{16}CuN_8$
 M.W. : 576.07 g/mole
 UV : 681 nm (in CH_2Cl_2)
 PL : 404 nm (film)
 TGA : > 430 °C (0.5% weight loss)



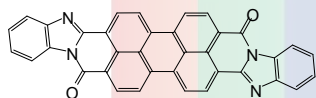
LT-E206 | TiOPC

Titanium(IV) oxide phthalocyanine

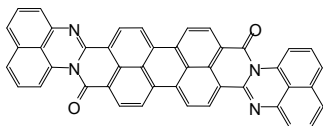
CAS No. : 26201-32-1
 Grade : Sublimed, > 99%
 Formula : $C_{24}H_{16}N_8OTi$
 M.W. : 576.39 g/mole
 UV : 349, 689 nm (in CH_2Cl_2)
 PL : 392 nm (film)
 TGA : > 440 °C (0.5% weight loss)

**LT-S918 | PTCBI**Bisbenzimidazo[2,1-a':2-b']anthra[2,1,9-def:6,5,10-d'e'f'] diisoguinoline-10,21-dione, with *cis* isomer

CAS No. : 55034-79-2
 Grade : Sublimed, > 99%
 Formula : $C_{36}H_{16}N_4O_2$
 M.W. : 536.54 g/mole
 PL : 414 nm (in CH_2Cl_2)
 TGA : > 420 °C (0.5% weight loss)

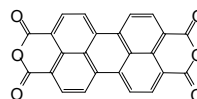
**LT-S919 | ADIDI**Anthra[2',1'-a']diperimidine-12,25-dione, with *cis* isomer

CAS No. : 6859-32-1
 Grade : Sublimed, > 99%
 Formula : $C_{44}H_{20}N_4O_4$
 M.W. : 636.66 g/mole
 PL : 413 nm (in CH_2Cl_2)
 TGA : > 430 °C (0.5% weight loss)

**LT-S920 | PTCDA**

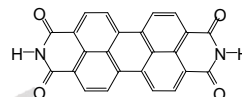
3,4,9,10-Perylenetetracarboxylic dianhydride

CAS No. : 128-69-8
 Grade : Sublimed, > 99%
 Formula : $C_{24}H_8O_6$
 M.W. : 392.32 g/mole
 PL : 413 nm (in CH_2Cl_2)
 TGA : > 450 °C (0.5% weight loss)
 Reference : *Organic Electronics 8 (2007), 735-742*

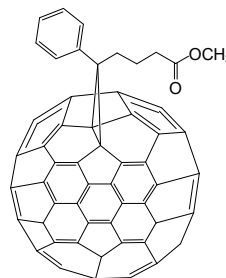
**LT-S921 | PTCDI**

3,4,9,10-Perylenetetracarboxylic acid diimide

CAS No. : 81-33-4
 Grade : Sublimed, > 99%
 Formula : $C_{24}H_{10}N_2O_4$
 M.W. : 390.55 g/mole
 PL : 413 nm (in CH_2Cl_2)
 TGA : > 450 °C (0.5% weight loss)

**LT-S923 | PC₇₁BM**(6,6)-Phenyl C₇₁ butyric acid methyl ester, mixture of isomers

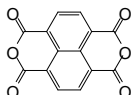
CAS No. : 609771-63-3
 Grade : > 99% (HPLC)
 Formula : $C_{82}H_{14}O_2$
 M.W. : 1030.93 g/mole
 UV : 372 nm (in Toluene)
 TGA : > 360 °C (0.5% weight loss)
 Reference : *Nature Photonics 6, 591-595 (2012)*



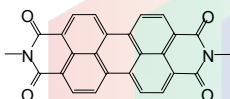
LT-S924 | NTDA

1,4,5,8-Naphthalenetetracarboxylic dianhydride

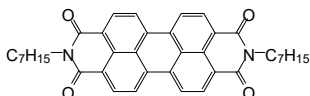
CAS No. : 81-30-1
 Grade : Sublimed, > 99%
 Formula : $C_{14}H_4O_6$
 M.W. : 268.18 g/mole
 UV : 347, 366 nm (in CH_2Cl_2)
 PL : 394 nm (in CH_2Cl_2)
 TGA : > 270 °C (0.5% weight loss)

**LT-S925** | MePTC*N,N'*-Dimethyl-3,4,9,10-perylenedicarboximide

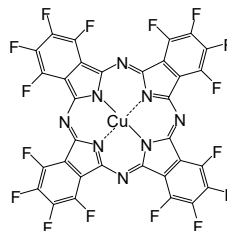
CAS No. : 5521-31-3
 Grade : Sublimed, > 99%
 Formula : $C_{26}H_{14}N_2O_4$
 M.W. : 419.40 g/mole
 UV : 522 nm (in CH_2Cl_2)
 PL : 532, 571 nm (in CH_2Cl_2)
 TGA : > 440 °C (0.5% weight loss)

**LT-S926** | HepPTC*N,N'*-Diheptyl-3,4,9,10-perylenedicarboximide

CAS No. : 95689-91-1
 Grade : Sublimed, > 99%
 Formula : $C_{38}H_{38}N_2O_4$
 M.W. : 586.72 g/mole
 UV : 524 nm (in CH_2Cl_2)
 PL : 537, 571 nm (in CH_2Cl_2)
 TGA : > 390 °C (0.5% weight loss)

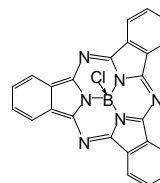
Reference : *J. Am. Chem. Soc.* 2000, 122, 11057-11066**LT-S928** | F_{16} CuPCCopper(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29*H*,31*H*-phthalocyanine

CAS No. : 14916-87-1
 Grade : Sublimed, > 99%
 Formula : $C_{32}F_{16}CuN_8$
 M.W. : 863.92 g/mole
 UV : 690 nm (in CH_2Cl_2)
 TGA : > 400 °C (0.5% weight loss)

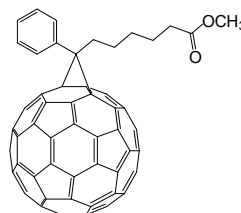
Reference : *Orange Electronics*, vol.11 (No.8), pp1399-1402**LT-S943** | SubPC

Boron subphthalocyanine chloride

CAS No. : 36530-06-0
 Grade : Sublimed, > 99%
 Formula : $C_{24}H_{12}BN_3Cl$
 M.W. : 430.66 g/mole
 UV : 565 nm (in DMF)
 PL : 577 nm (in DMF)
 TGA : > 330 °C (0.5% weight loss)

Reference : *Adv. Funct. Mater.* 2012, 22, 617-624**LT-S946** | $PC_{61}HM$ (6,6)-Phenyl- C_{61} methyl-hexanoate

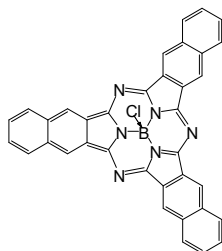
CAS No. : 1242279-48-6
 Grade : > 99% (HPLC)
 Formula : $C_{74}H_{18}O_2$
 M.W. : 938.81 g/mole
 UV : 328 nm (in CH_2Cl_2)
 TGA : > 350 °C (0.5% weight loss)



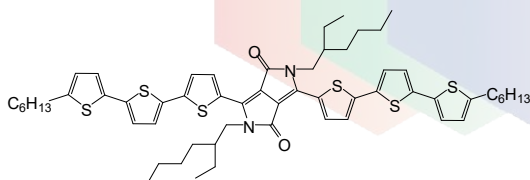
LT-S947 | SubNC

Boron sub-2,3-naphthalocyanine chloride

CAS No. : 142710-56-3
 Grade : Sublimed, > 99%
 Formula : $C_{36}H_{18}BClN_6$
 M.W. : 580.83 g/mole
 UV : 658 nm (in CH_2Cl_2)
 TGA : > 370 °C (0.5% weight loss)
 Reference : *J. Mater. Chem.*, 2000, 19, 5295-5297

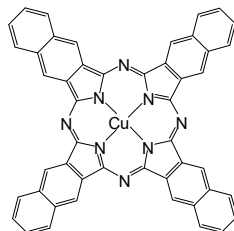
**LT-S952** | SMDPPEH2,5-Di-(2-ethylhexyl)-3,6-bis-(5'-*n*-hexyl-[2,2',5',2'']
terthiophen-5-yl)-pyrrolo[3,4-*c*]pyrrole-1,4-dione

CAS No. : 1093468-95-1
 Grade : > 98% (NMR)
 Formula : $C_{58}H_{72}N_2O_2S_6$
 M.W. : 1021.59 g/mole
 UV : 644 nm (in CH_2Cl_2)
 TGA : > 370 °C (0.5% weight loss)
 Reference : *Appl. Phys. Lett.* 94, 103301 (2009)

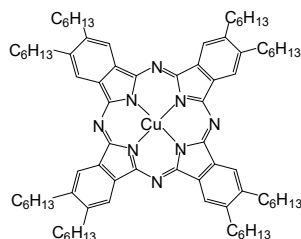
**LT-S962** | CuNC

Copper(II) 2,3-naphthalocyanine

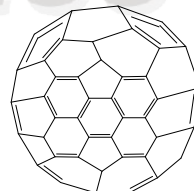
CAS No. : 33273-09-5
 Grade : Sublimed, > 99%
 Formula : $C_{48}H_{24}CuN_8$
 M.W. : 776.30 g/mole
 UV : 681 nm (in CH_2Cl_2)
 TGA : > 430 °C (0.5% weight loss)

**LT-S963** | CuPC-8HCopper(II)-2,3,9,10,16,17,23,24-octa-*n*-hexyl-29*H*,31*H*-
phthalocyanine

CAS No. : 153151-22-5
 Grade : > 98%
 Formula : $C_{80}H_{112}CuN_8$
 M.W. : 1249.34 g/mole
 UV : 680 nm (in CH_2Cl_2)
 TGA : > 390 °C (0.5% weight loss)

**LT-S967** | C₇₀(5,6)-Fullerene-C₇₀

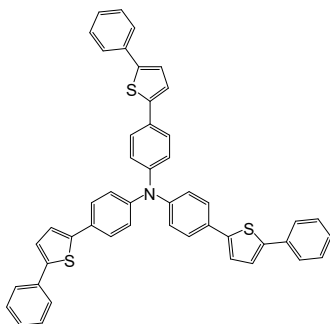
CAS No. : 115383-22-7
 Grade : > 99% (HPLC)
 Formula : C_{70}
 M.W. : 840.75 g/mole
 UV : 344, 382 nm (in CH_2Cl_2)
 TGA : > 450 °C (0.5% weight loss)
 Reference : *J. Am. Chem. Soc.*, 2011, 133(40) 15822-15825



LT-S984 | TPTPA

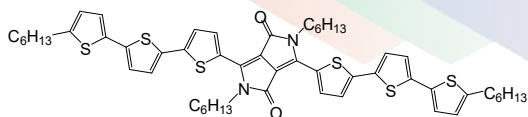
Tris(4-(5-phenylthiophen-2-yl)phenyl)amine

CAS No. : 1092356-36-9
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{48}H_{33}NS_3$
 M.W. : 719.98 g/mole
 UV : 416 nm (in CH_2Cl_2)
 TGA : > 270 °C (0.5% weight loss)
 Reference : *Appl. Phys. Lett.*, 94, 063304(2009)

**LT-S985** | SMDPPH

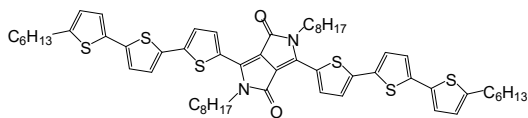
2,5-Dihexyl-3,6-bis-(5''-n-hexyl-[2,2',5',2'']terthiophen-5-yl)-pyrrolo[3,4-c]pyrrole-1,4-dione

CAS No. : 1077629-69-6
 Grade : > 98% (NMR)
 Formula : $C_{54}H_{64}N_2O_2S_6$
 M.W. : 965.49 g/mole
 UV : 644 nm (in CH_2Cl_2)
 TGA : > 310 °C (0.5% weight loss)
 Reference : *Appl. Phys. Lett.* 94, 103301 (2009)

**LT-S986** | SMDPPP

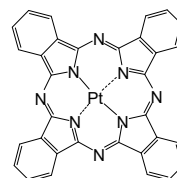
2,5-Dioctyl-3,6-bis-(5''-n-hexyl-[2,2',5',2'']terthiophen-5-yl)-pyrrolo[3,4-c]pyrrole-1,4-dione

CAS No. : 1435933-95-1
 Grade : > 98% (NMR)
 Formula : $C_{58}H_{72}N_2O_2S_6$
 M.W. : 1021.59 g/mole
 UV : 644 nm (in CH_2Cl_2)
 TGA : > 280 °C (0.5% weight loss)
 Reference : *Appl. Phys. Lett.* 94, 103301 (2009)

**LT-N219** | PtPC

Platinum(II) phthalocyanine

CAS No. : 14075-08-2
 Grade : Sublimed, > 99%
 Formula : $C_{22}H_{16}N_8Pt$
 M.W. : 707.60 g/mole
 UV : 228, 270 nm (in CH_2Cl_2)
 PL : 372.5 nm (in CH_2Cl_2)
 TGA : > 460 °C (0.5% weight loss)

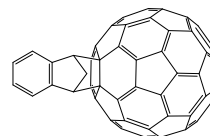
**LT-S9025** | AIPCCI

Aluminum phthalocyanine chloride

CAS No. : 14154-42-8
 Grade : Sublimed, > 99%
 Formula : $C_{22}H_{16}AlClN_8$
 M.W. : 574.96 g/mole
 UV : 675 nm (in DMF)
 TGA : > 470 °C (0.5% weight loss)
 Reference : *J. Phys. Chem. C* 2010, 114, 3304-3308

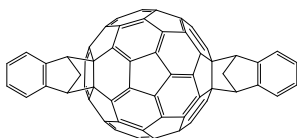
**LT-S9029** | ICMA C_{60} derivative, indene- C_{60} monoadduct

CAS No. : 172885-96-0
 Grade : > 99% (HPLC)
 Formula : $C_{69}H_8$
 M.W. : 836.82 g/mole
 UV : 318 nm (in CH_2Cl_2)
 TGA : > 200 °C (0.5% weight loss)
 Reference : *J. Am. Chem. Soc.*, 2010, 132(4), pp1377-1382



LT-S9030 | ICBAC₆₀ derivative, indene-C₆₀ bisadduct, mixture of isomers

CAS No. : 1207461-57-1
 Grade : > 99% (HPLC)
 Formula : C₇₈H₁₆
 M.W. : 953.40 g/mole
 UV : 318 nm (in CH₂Cl₂)
 TGA : > 200 °C (0.5% weight loss)
 Reference : *J. Am. Chem. Soc.*, 2010, 132(4), pp1377-1382

**LT-S9036** | DIP

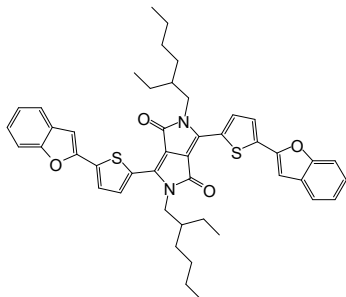
Diindeno[1,2,3-cd:1',2',3'-lm]perylene

CAS No. : 188-94-3
 Grade : Sublimed, > 99%
 Formula : C₃₂H₁₆
 M.W. : 400.47 g/mole
 UV : 494, 532 nm (in CH₂Cl₂)
 TGA : > 230 °C (0.5% weight loss)
 Reference : *Adv. Funct. Mater.* 2010, 20, 4295-4303

**LT-S9040** | DPP(TBFu)₂

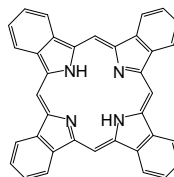
3,6-Bis(5-(benzofuran-2-yl)thiophen-2-yl)-2,5-bis(2-ethylhexyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione

CAS No. : 1241836-03-2
 Grade : > 99% (NMR)
 Formula : C₄₆H₄₈N₂O₄S₂
 M.W. : 757.01 g/mole
 UV : 584, 629 nm (in CH₂Cl₂)
 TGA : > 330 °C (0.5% weight loss)
 Reference : *Adv. Funct. Mater.* 2009, 19, 3063-3069

**LT-S9044** | BP

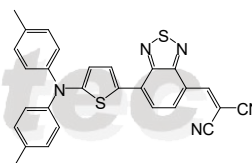
Tetrabenzoporphine

CAS No. : 52952-31-5
 Formula : C₃₆H₂₂N₄
 M.W. : 510.59 g/mole
 UV : 418, 432, 609, 665 nm (in CH₂Cl₂)

**LT-S9046** | DTDCTB

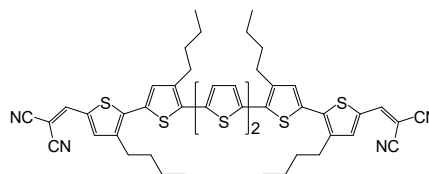
2-((7-(5-(di-p-tolylamino)thiophen-2-yl)benzo[c][1,2,5]thiadiazol-4-yl)methylene)malononitrile

CAS No. : 1335150-09-8
 Grade : > 99% (HPLC)
 Formula : C₂₈H₁₉N₅S₂
 M.W. : 489.61 g/mole
 UV : 398, 622 nm (in CH₂Cl₂)
 TGA : > 280 °C (0.5% weight loss)
 Reference : *J. Am. Chem. Soc.*, 2011, 133(40) 15822-15825

**LT-S9048** | DCV6T-Bu(1,2,5,6)

2,2'-(5',5''-(2,2'-bithiophene-5,5'-diyl)bis(3,4'-dibutyl-2,2'-bithiophene-5',5'-diyl))bis(methan-1-yl-1-ylidene)dimalononitrile

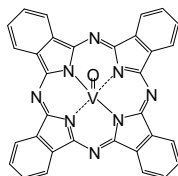
CAS No. : 1251742-94-5
 Grade : > 99% (NMR)
 Formula : C₄₈H₄₆N₄S₆
 M.W. : 871.30 g/mole
 UV : 378, 486 nm (in CH₂Cl₂)
 TGA : > 320 °C (0.5% weight loss)
 Reference : *Appl. Phys. Lett.* 99, 044301 (2011)



LT-S9053 | VOPc

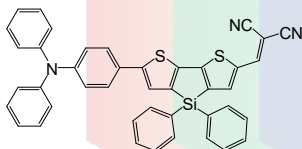
Vanadyl(IV) phthalocyanine

CAS No. : 13930-88-6
 Grade : Sublimed, > 99%
 Formula : $C_{32}H_{16}N_8OV$
 M.W. : 579.46 g/mole
 UV : 338, 684 nm (in CH_2Cl_2)
 TGA : > 400 °C (0.5% weight loss)
 Reference : *Appl. Phys. Lett.* 90, 253510 (2007)

**LT-S9056** | TPDCDTS

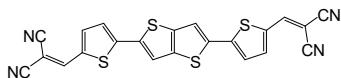
2-(6-(4-(diphenylamino)phenyl)-4,4'-diphenyl-dithieno[3,2-b:2',3'-d']silol-2-yl)-methylene-malononitrile

CAS No. : 1321562-79-1
 Grade : > 99% (HPLC)
 Formula : $C_{42}H_{27}N_3S_2Si$
 M.W. : 665.90 g/mole
 TGA : > 250 °C (0.5% weight loss)
 Reference : *Chem. Commun.*, 2011, 47, 7872-7874

**LT-S9061** | FT2TDMN

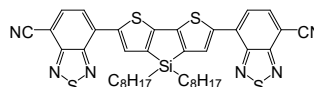
2,2'-(5,5'-(thieno[3,2-b]thiophene-2,5-diyl)bis(thiophene-5,2-diyl))bis(methan-1-yl-1-ylidene)dimalononitrile

CAS No. : 1432613-96-1
 Grade : Sublimed, > 99%
 Formula : $C_{22}H_8N_4S_4$
 M.W. : 456.59 g/mole
 UV : 499 nm (in Toluene)
 TGA : > 350 °C (0.5% weight loss)

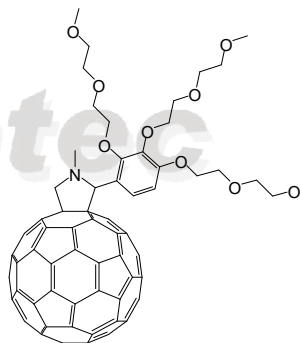
**LT-S9063** | BCNDTS

7,7'-(4,4-bis-(n-octyl)dithieno[3,2-b:2',3'-d']silole-2,6-diyl)dibenzo[c][1,2,5]thiadiazole-4-carbonitrile

CAS No. : 1331742-87-0
 Grade : > 99% (HPLC)
 Formula : $C_{38}H_{40}N_6S_4Si$
 M.W. : 737.11 g/mole
 UV : 553 nm (in CH_2Cl_2)
 Reference : *Org. Lett.*, Vol. 13(18), 2011, p4962

**LT-S9071** | PrC₆₀MAC₆₀,N,N,N-trimethyl-1-(2,3,4-tris(2-(2-methoxyethoxy)ethoxy)phenyl)methanaminium monoadduct

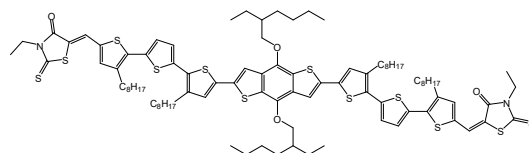
CAS No. : 1373957-22-2
 Grade : > 99% (HPLC)
 Formula : $C_{84}H_{41}NO_9$
 M.W. : 1208.26 g/mole
 TGA : > 300 °C (0.5% weight loss)
 Reference : *J. Mater. Chem.*, 2012, 22, 8574-8578

**LT-S9073** | DR3TBDT

2,6-Bis[2,5-bis(3-ethylrhodanine)-(3,3-dioctyl-2,2':5,2''-terthiophene)]-4,8-bis(2-ethylhexoxy)benzo[1,2-b:4,5-b']dithiophene

CAS No. : 1397242-70-4
 Grade : > 99% (NMR)
 Formula : $C_{94}H_{124}N_2O_4S_{12}$
 M.W. : 1730.78 g/mole
 UV : 508 nm (in CH_2Cl_2)
 TGA : > 270 °C (0.5% weight loss)

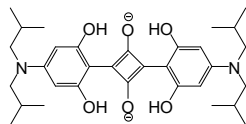
Reference : 1. *Advanced Materials (Weinheim, Germany)* (2014), 26(34), 5957-5961
 2. *Journal of the American Chemical Society* (2012), 134(39), 16345-16351



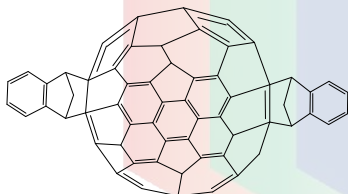
LT-S9074 | DIBSQ

2,4-Bis(4-(diisobutylamino)-2,6-dihydroxyphenyl)cyclobutane-1,3-bis(olate)

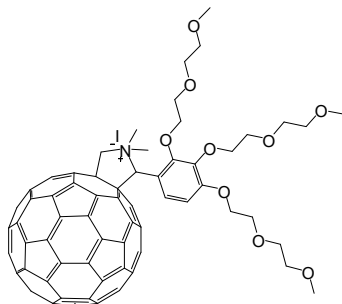
CAS No. : 432493-75-9
 Grade : > 99% (HPLC)
 Formula : $C_{32}H_{48}N_2O_6$
 M.W. : 556.7 g/mole
 TGA : > 270 °C (0.5% weight loss)
 Reference : *Phys. Chem. Chem. Phys.*, 2012, 14, 14661–14666

**LT-S9078** | IC₇₀BAIndene-C₇₀ bisadduct, mixture of isomers

CAS No. : 1563175-93-8
 Grade : > 99% (HPLC)
 Formula : $C_{88}H_{16}$
 M.W. : 1073.04 g/mole
 UV : 290 nm (in CH₂Cl₂)
 TGA : > 180 °C (0.5% weight loss)
 Reference : *Adv. Funct. Mater.* 2010, 20, 3383–3389

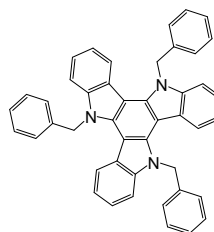
**LT-S9079** | PrC₆₀MA Iodide saltC₆₀N,N,N-trimethyl-1-(2,3,4-tris(2-(2-methoxyethoxy)ethoxy)phenyl)dimethanaminium monoadduct iodide salt

CAS No. : 1373957-23-3
 Grade : > 99% (HPLC)
 Formula : $C_{85}H_{44}INO_9$
 M.W. : 1386.23 g/mole
 Reference : *J. Mater. Chem.*, 2012, 22, 8574–8578

**LT-S9084** | TBDI

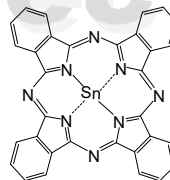
N',N'-Bis(dibenzo[b,d]thiophen-4-yl)-N',N'-diphenylbiphenyl-4,4'-diamine

CAS No. : 1092536-44-1
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{45}H_{33}N_3$
 M.W. : 615.76 g/mole
 TGA : > 270 °C (0.5% weight loss)
 Reference : *J. Mater. Chem. A*, 2013, 1, 4077–4082

**LT-S9086** | SnPC

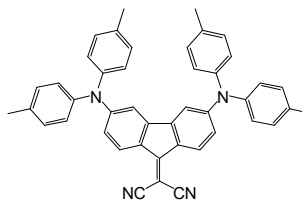
Tin(II) phthalocyanine

CAS No. : 15304-57-1
 Grade : Sublimed, > 99%
 Formula : $C_{32}H_{16}N_8Sn$
 M.W. : 631.23 g/mole
 UV : 693 nm (in CHCl₃)
 TGA : > 440 °C (0.5% weight loss)
 Reference : *Appl. Phys. Lett.* 87, 153511(2005)

**LT-S9089** | 3,6-DTNFMN

2-(3,6-Bis(di-p-tolylamino)-9H-fluoren-9-ylidene)malononitrile

CAS No. : 1527494-19-4
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{44}H_{34}N_4$
 M.W. : 618.77 g/mole
 UV : 291, 493 nm (in CH₂Cl₂)
 TGA : > 280 °C (0.5% weight loss)
 Reference : *Solar Energy Materials & Solar Cells*, 109, (2013), 33–39

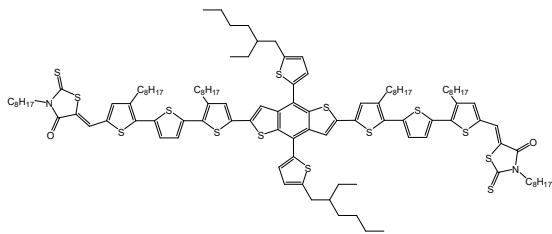


LT-S9123 | SMPV1

2,6-Bis[2,5-bis(3-octylrhodanine)-(3,3-dioctyl-2,2':5,2''-terthiophene)]-4,8-bis(5-ethylhexylthiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene

CAS No. : 1651168-29-4
 Grade : > 99% (NMR)
 Formula : $C_{114}H_{152}N_2O_2S_{14}$
 M.W. : 2031.35 g/mole
 UV : 360, 504 nm (in CH_2Cl_2)

Reference : *ACS Applied Materials & Interfaces* (2015), 7(6), 3691-3698

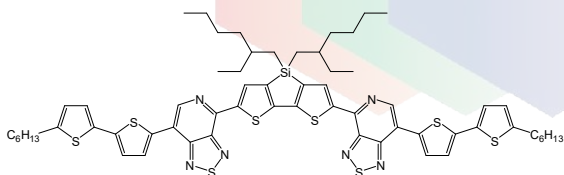


LT-S9124 | DTS(PTTh2)2

5,5'-Bis((4-(7-hexylthiophen-2-yl)thiophen-2-yl)-[1,2,5]thiadiazolo[3,4-c]pyridine)-3,3'-di-2-ethylhexylsilylene-2,2'-bithiophene

CAS No. : 1351374-94-1
 Grade : > 99% (NMR)
 Formula : $C_{62}H_{72}N_6S_8Si$
 M.W. : 1185.88 g/mole
 UV : 366, 645 nm (in CH_2Cl_2)

Reference : *ACS Nano* (2015), 9(1), 371-377

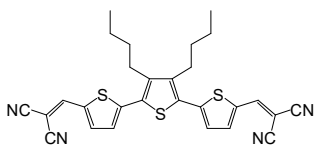


LT-S9125 | DCV3T

3',4'-Dibutyl-5,5''-bis(dicyanovinyl)-2,2':5',2''-terthiophene

CAS No. : 908588-68-1
 Grade : > 99% (HPLC)
 Formula : $C_{28}H_{24}N_4S_3$
 M.W. : 512.71 g/mole
 UV : 498 nm (in CH_2Cl_2)
 TGA : > 200 °C (0.5% weight loss)

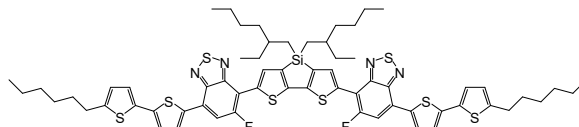
Reference : *Solar Energy Materials & Solar Cells*, 109, (2013), 33-39

LT-S9138 | p-DTS(PTT2)₂

2,6-Bis(5-fluoro-7-(5'-hexyl-2,2'-bithiophen-5-yl)benzo[c][1,2,5]thiadiazol-4-yl)-(4,4'-bis(2-ethylhexyl)dithieno[3,2-b':2',3'-d']silole

CAS No. : 1402460-84-7
 Grade : > 99% (NMR)
 Formula : $C_{64}H_{72}F_2N_4S_8Si$
 M.W. : 1219.89 g/mole
 UV : 690 nm (film)

Reference : 1. *ACS Nano* (2014), 8(8), 8141-8151
 2. *Chemistry of Materials* (2014), 26(14), 4109-4118

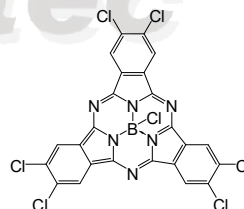


LT-S9149 | Cl6SubPc

2,3,9,10,16,17-Hexachlorinated boron subphthalocyanine chloride

CAS No. : 309963-65-3
 Grade : Sublimed, > 99%
 Formula : $C_{24}H_6BCl_6N_6$
 M.W. : 637.33 g/mole
 UV : 578 nm (in CH_2Cl_2)
 TGA : > 300 °C (0.5% weight loss)

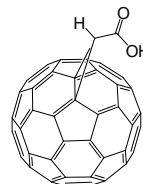
Reference : *Journal of Physical Chemistry C* (2014), 118(27), 14813-14823

LT-S9157 | C₇₀-COOH

3'H-Cyclopropa[8,25][5,6]fullerene-C70-3'-carboxylic acid

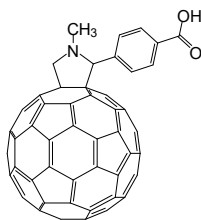
CAS No. : 180777-24-6
 Grade : > 99%
 Formula : $C_{72}H_2O_2$
 M.W. : 898.79 g/mole
 UV : 353, 370, 406 nm (in CH_2Cl_2)

Reference : *Journal of Organic Chemistry* (1996), 61(16), 5198-5199



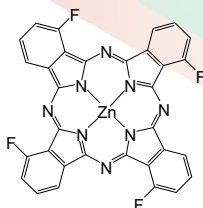
LT-S9161 | C₆₀-COOH-SAM4-(1',5'-dihydro-1'-methyl-2'H-[5,6]fullereno-C₆₀-1h-[1,9-c]pyrrol-2'-yl) benzoic acid

CAS No. : 631918-72-4
 Grade : > 99%
 Formula : C₇₀H₁₁NO₂
 M.W. : 897.84 g/mole
 UV : 345 nm (in CH₂Cl₂)

Reference : 1. *Journal of Physical Chemistry Letters* (2015), 6(12), 2399-24052. *ACS Nano* (2014), 8(12), 12701-12709**LT-S9171** | F4ZnPc

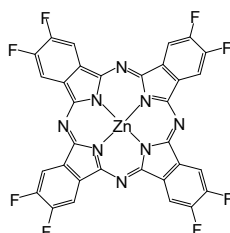
Zinc(II)-1,8,15,22-tetrafluoro-29H,31H-phthalocyanin,mixture of isomers

CAS No. : 1120355-28-3
 Grade : Sublimed, > 99%
 Formula : C₃₂H₁₂F₄N₈Zn
 M.W. : 649.89 g/mole
 UV : 681 nm (in CHCl₃)
 TGA : > 250 °C (0.5% weight loss)

Reference : *Solar Energy Materials & Solar Cells* (2013), 118, 165-170**LT-S9172** | F8ZnPc

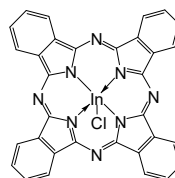
Zinc(II)-2,3,9,10,16,17,23,24-octafluoro-29H,31H-phthalocyanin

CAS No. : 676519-80-5
 Grade : Sublimed, > 99%
 Formula : C₃₂H₈F₈N₈Zn
 M.W. : 721.86 g/mole
 UV : 338, 656 nm (in DMF)
 TGA : > 300 °C (0.5% weight loss)

Reference : *ChemPhysChem* (2014), 15(12), 2462-2472**LT-S9176** | InCIPC

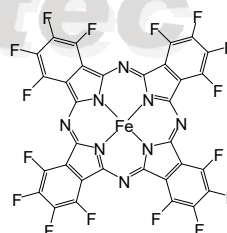
Indium(III) phthalocyanine chloride

CAS No. : 19631-19-7
 Grade : Sublimed, > 99%
 Formula : C₃₂H₁₆ClInN₈
 M.W. : 662.79 g/mole
 UV : 358, 683 nm (in CHCl₃)
 TGA : > 300 °C (0.5% weight loss)

Reference : *Organic Electronics* (2015), 17, 229-239**LT-S9177** | F16FePc

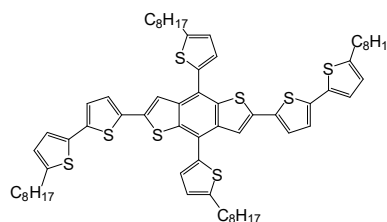
Iron(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29H,31H-phthalocyanine

CAS No. : 23844-93-1
 Grade : Sublimed, > 99%
 Formula : C₃₂F₁₆FeN₈
 M.W. : 856.22 g/mole
 UV : 333, 627 nm (in Acetone)
 TGA : > 300 °C (0.5% weight loss)

Reference : *Nano Letters* (2014), 14(10), 5547-5554**LT-S9179** | BDT2TH

2,6-Bis[(5'-octyl[2,2'-bithiophene])[4,8-bis(5-octyl-2-thienyl)benzo[1,2-b:4,5-b']dithiophene]

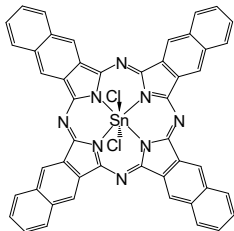
Grade : > 99% (NMR)
 Formula : C₆₆H₈₂S₈
 M.W. : 1131.88 g/mole
 UV : 249, 359, 442 nm (in CH₂Cl₂)



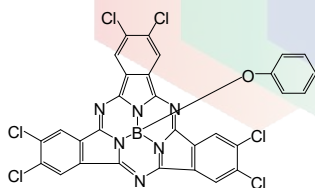
LT-S9180 | SnNCl₂

Tin(IV) 2,3-naphthalocyanine dichloride

CAS No. : 26857-61-4
 Grade : Sublimed, > 99%
 Formula : C₄₈H₂₄Cl₂N₈Sn
 M.W. : 902.37 g/mole
 TGA : > 300 °C (0.5% weight loss)

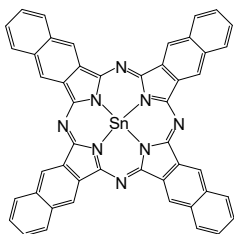
Reference : *Organic Electronics* (2013), 14(3), 804-808**LT-S9181** | PhO-BsubPc[2,3,9,10,16,17-Hexachloro-7,12,14,19-diimino-21,5-nitrilo-5*H*-tribenzo[*c,h,m*][1,6,11]triazacyclopentadecinato(2-*N*22,*N*23,*N*24]phenoxy-Boron

CAS No. : 1309390-01-9
 Grade : > 99% (HPLC)
 Formula : C₃₀H₁₁BCl₆N₆O
 M.W. : 694.98 g/mole
 UV : 267, 318, 569 nm (in CHCl₃)

Reference : *Journal of Materials Chemistry A: Materials for Energy and Sustainability* (2015), 3(14), 7345-7352**LT-S9182** | SnNC

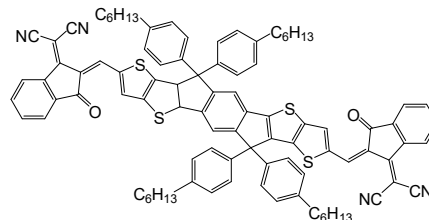
Tin(II) 2,3-naphthalocyanine

CAS No. : 110479-58-8
 Grade : Sublimed, > 99%
 Formula : C₄₈H₂₄N₈Sn
 M.W. : 831.47 g/mole
 TGA : > 300 °C (0.5% weight loss)

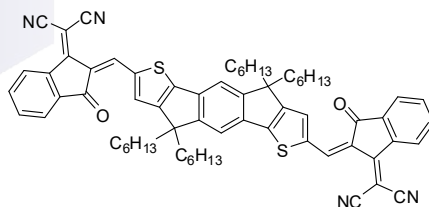
Reference : *Journal of Physical Chemistry A* (2011), 115(33), 9265-9272**LT-S9212** | ITIC

3,9-Bis(2-methylene-(3-(1,1-dicyanomethylene)-indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

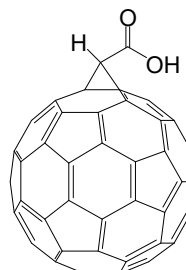
CAS No. : 1664293-06-4
 Grade : > 98%
 Formula : C₉₄H₈₂N₄O₂S₄
 M.W. : 1427.94 g/mole

**LT-S9279** | IDIC2,2'-[(4,4,9,9-tetrahexyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(methylydine(3-oxo-1*H*-indene-2,1(3*H*)-diylidene))]bis-Propanedinitrile

CAS No. : 1883441-92-6
 Grade : > 98% (HPLC)
 Formula : C₆₆H₆₆N₄O₂S₂
 M.W. : 1011.39 g/mole
 UV : 664 nm (in CH₂Cl₂)
 HOMO : -5.69 eV
 LUMO : -3.91 eV

Reference : *J. Am. Chem. Soc.* 2016, 138, 2973-2976**LT-S9281** | C60-COOH3'*H*-Cyclopropa[1,9][5,6]fullerene-C60-1*h*-3'-carboxylic acid

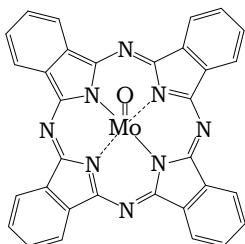
CAS No. : 155116-19-1
 Grade : > 99%
 Formula : C₆₂H₂O₂
 M.W. : 778.68 g/mole



LT-S9283 | MoOPC

Oxo-phthalocyaninato-molybdenum (IV)

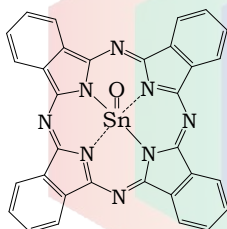
CAS No. : 15746-68-6
 Grade : Sublimed, > 99%
 Formula : $C_{32}H_{16}MoN_8O$
 M.W. : 624.46 g/mole



LT-S9284 | SnOPC

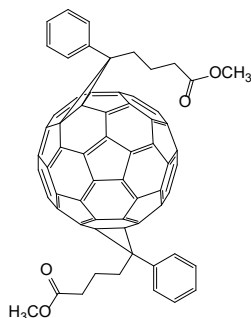
Oxo-phthalocyaninato-tin (IV)

CAS No. : 57156-41-9
 Grade : Sublimed, > 99%
 Formula : $C_{32}H_{16}N_8OSn$
 M.W. : 647.23 g/mole



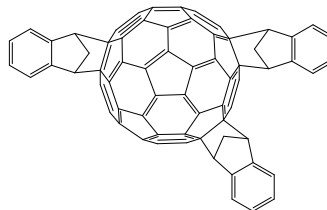
LT-S9422 | Bis PC62BM

Formula : $C_{84}H_{28}O_4$



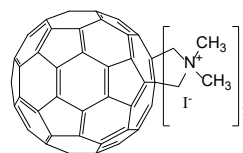
LT-S9423 | IC60TA

Formula : $C_{87}H_{24}$



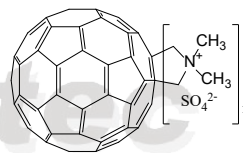
LT-S9424

Formula : $C_{60}(C_4H_{10}NI)_n$



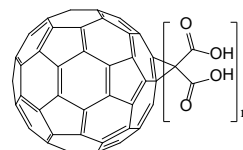
LT-S9425

Formula : $C_{60}(C_4H_{10}NSO_4)_n$



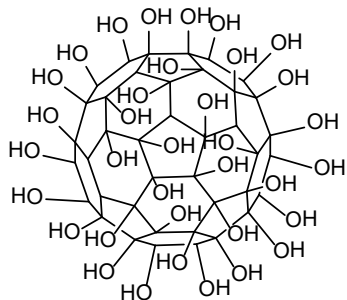
LT-S9426 | C60-(malonic acid)_n

Formula : $C_{60}(C_3H_2O_4)_n$



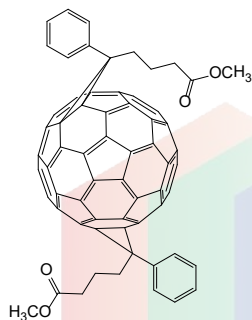
LT-S9427 | Fullerol C₆₀(OH)_n

Formula : C₆₀(OH)_n



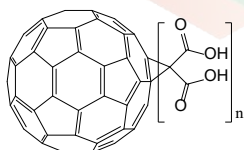
LT-S9428 | bis-PC72BM

Formula : C₉₄H₂₈O₄



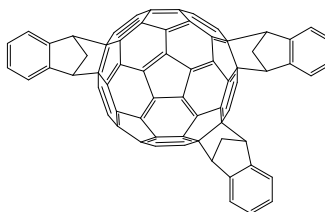
LT-S9429 | C70-(malonic acid)_n

Formula : C₇₀(C₃H₂O₄)_n



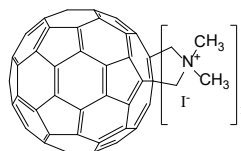
LT-S9431 | IC70TA

Formula : C₉₇H₂₄



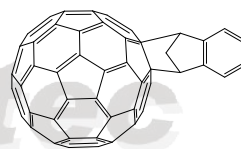
LT-S9432

Formula : C₇₀(C₄H₁₀NI)_n



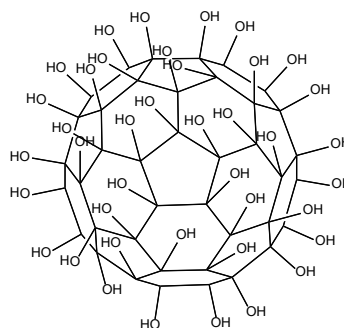
LT-S9433 | IC70MA

Formula : C₇₉H₈



LT-S9434 | Fullerol C₇₀(OH)_n

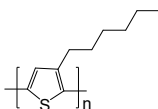
Formula : C₇₀(OH)_n



LT-S909 | P3HT

Poly(3-hexylthiophene-2,5-diyl)

CAS No. : 104934-50-1
 Grade : $M_w > 45,000$ (GPC)
 Regioregular Electronic Grade > 93%
 Formula : $(C_{10}H_{14}S)_n$
 UV : 445 nm (in THF)
 PL : 564 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene,
 Dichlorobenzene

Reference : *Adv. Mater.* 2010, 22, 4355-4358**LT-S911** | PT

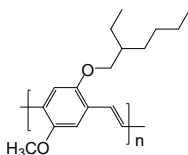
Poly(thiophene-2,5-diyl)

CAS No. : 25233-34-5
 Formula : $(C_4H_2S)_n$
 UV : 427 nm (in CH_2Cl_2)
 PL : 510 nm (in CH_2Cl_2)

**LT-S931** | MEH-PPV

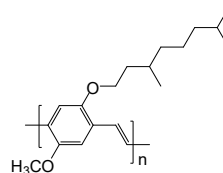
Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene]

CAS No. : 138184-36-8
 Grade : $M_w > 100,000$ (GPC)
 Formula : $(C_{17}H_{24}O_2)_n$
 UV : 501 nm (in CH_2Cl_2)
 PL : 502 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$,
 Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.* 78, 841 (2001)**LT-S932** | MDMO-PPV

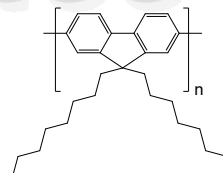
Poly[2-methoxy-5-(3,7-dimethyloctyloxy)-1,4-phenylenevinylene]

CAS No. : 177716-59-5
 Grade : $M_w > 100,000$ (GPC)
 Formula : $(C_{19}H_{28}O_2)_n$
 UV : 485 nm (in CH_2Cl_2)
 PL : 555 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$,
 Chlorobenzene, Dichlorobenzene

Reference : *Thin Solid Films* 511-512 (2006) 587-592**LT-S933** | PFO

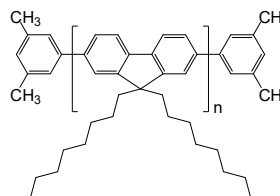
Poly(9,9-dioctylfluorenyl-2,7-diyl)

CAS No. : 123864-00-6
 Grade : $M_w = 50,000 \sim 150,000$ (GPC)
 Formula : $(C_{29}H_{40})_n$
 UV : 376 nm (in THF)
 PL : 426, 440 nm (in THF)
 Solubility : Soluble in $CHCl_3$,
 Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.* 2004, 85, 4576-4578**LT-S934** | PFO-DMP

Poly(9,9-dioctylfluorenyl-2,7-diyl) end capped with dimethylphenyl

CAS No. : 874816-14-5
 Grade : $M_w = 50,000 \sim 150,000$ (GPC)
 Formula : $C_{16}H_{18}(C_{29}H_{40})_n$
 UV : 368 nm (in THF)
 PL : 421 nm (in THF)
 Solubility : Soluble in $CHCl_3$,
 Chlorobenzene, Dichlorobenzene

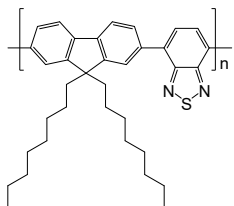
Reference : *Appl. Phys. Lett.* 2004, 85, 4576-4578

LT-S957 | F8BT

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-*alt*-(benzo[2,1,3]thiadiazol-4,7-diyl)]

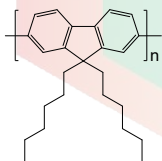
CAS No. : 210347-52-7
 Grade : $M_w > 20,000$
 Formula : $(C_{35}H_{42}N_2S)_n$
 UV : 453 nm (in THF)
 PL : 645 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Synthetic Metals*, 152, 105, 2005

**LT-S958** | PHF

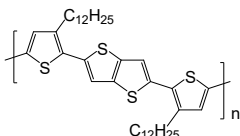
Poly(9,9-dihexylfluorenyl-2,7-diyl)

CAS No. : 201807-75-2
 Grade : $M_w = 50,000 \sim 150,000$ (GPC)
 Formula : $(C_{25}H_{32})_n$
 UV : 389 nm (in THF)
 PL : 418 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

**LT-S981** | PBTTC-12

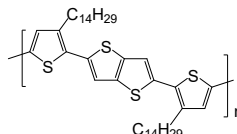
Poly[2,5-bis(3-dodecylthiophen-2-yl)thieno[3,2-*b*]thiophene]

CAS No. : 888491-18-7
 Grade : $M_w = 40,000 \sim 80,000$ (GPC)
 Formula : $(C_{38}H_{54}S_4)_n$
 UV : 460 nm (in THF)
 PL : 557 nm (in THF)
 Solubility : > 5 mg/mL in $CHCl_3$

**LT-S982** | PBTTC-14

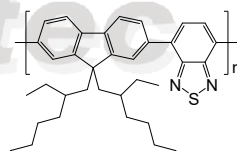
Poly[2,5-bis(3-tetradecylthiophen-2-yl)thieno[3,2-*b*]thiophene]

CAS No. : 888491-19-8
 Grade : $M_w > 40,000$ (GPC)
 Formula : $(C_{42}H_{62}S_4)_n$
 UV : 466 nm (in THF)
 PL : 557 nm (in THF)
 Solubility : > 5 mg/mL in $CHCl_3$
 Reference : *Appl. Phys. Lett.*, 92, 113309, 2008

**LT-S9003** | F2EHBT

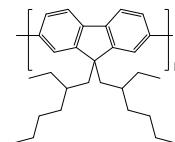
Poly[(9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl)-*alt*-(benzo[2,1,3]thiadiazol-4,7-diyl)]

CAS No. : 1379051-13-4
 Grade : $M_w = 20,000 \sim 50,000$ (GPC)
 Formula : $(C_{35}H_{42}N_2S)_n$
 UV : 453 nm (in THF)
 PL : 645 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

**LT-S9004** | PF2EH

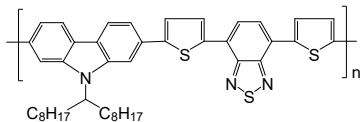
Poly[9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl]

CAS No. : 188201-16-3
 Grade : $M_w > 20,000$ (GPC)
 Formula : $(C_{29}H_{40})_n$
 UV : 389 nm (in THF)
 PL : 418 nm (in THF)
 Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

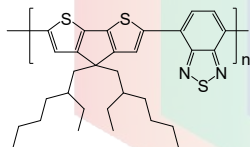


LT-S948 | PCDTBTPoly[*N*-9'-heptadecanyl-2,7-carbazole-*alt*-5,5'-(4,7'-di-2-thienyl-2',1',3'-benzothiadiazole)]

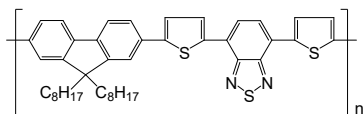
CAS No. : 958261-50-2
 Grade : $M_w = 20,000 \sim 100,000$ (GPC)
 Formula : $(C_{43}H_{47}N_3S_3)_n$
 UV : 390, 554 nm (in THF)
 PL : 639 nm (in THF)
 Solubility : > 5 mg/mL in $CHCl_3$

Reference : *Orange Electronics*, v12, 2011, P1788-1793**LT-S949** | PCPDTBTPoly[2,6-(4,4-bis(2-ethylhexyl)-4*H*-cyclopenta[2,1-*b*:3,4-*b'*]dithiophene)-*alt*-4,7(2,1,3-benzothiadiazole)]

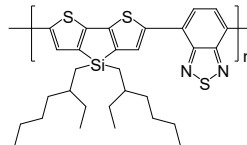
CAS No. : 920515-34-0
 Grade : $M_w = 7,000 \sim 20,000$ (GPC)
 Formula : $(C_{31}H_{38}N_2S_3)_n$
 UV : 695 nm (in THF)
 PL : 564 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Adv. Mater.* 2006, 18, 2884-2889**LT-S950** | PFOBTPoly[2,7-(9,9-di-octyl-fluorene)-*alt*-4,7-bis(thiophen-2-yl)benzo-2,1,3-thiadiazole]

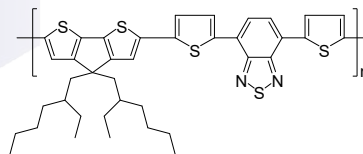
CAS No. : 782469-77-6
 Grade : $M_w = 10,000 \sim 50,000$ (GPC)
 Formula : $(C_{43}H_{46}N_2S_3)_n$
 UV : 523 nm (in CH_2Cl_2)
 PL : 630 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Adv. Funct. Mater.*, 2006, 16, 667-674**LT-S951** | PSBTBTPoly[2,6-(4,4'-bis(2-ethylhexyl)dithieno[3,2-*b*:2',3'-*d'*]silole)-*alt*-4,7(2,1,3-benzothiadiazole)]

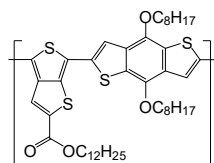
CAS No. : 1089687-02-4
 Grade : $M_w = 10,000 \sim 30,000$ (GPC)
 Formula : $(C_{30}H_{38}N_2S_3Si)_n$
 UV : 523 nm (in CH_2Cl_2)
 PL : 630 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *J. Am. Chem. Soc.*, 2008, 130, 16144-16145**LT-S953** | PCPDTTBTPoly[2,6-(4,4-bis(2-ethylhexyl)-4*H*-cyclopenta[2,1-*b*:3,4-*b'*]dithiophene)-*alt*-4,7-bis(thiophen-2-yl)benzo-2,1,3-thiadiazole]

CAS No. : 1035681-83-4
 Grade : $M_w = 8,000 \sim 20,000$ (GPC)
 Formula : $(C_{39}H_{42}N_2S_5)_n$
 UV : 523 nm (in CH_2Cl_2)
 PL : 749 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Chem. Mater.* 2008, 20, 4045-4050**LT-S955** | PTB1Poly[4,6-(dodecyl-thieno[3,4-*b*]thiophene-2-carboxylate)-*alt*-2,6-(4,8-dioctylbenzo[1,2-*b*:4,5-*b'*]dithiophene)]

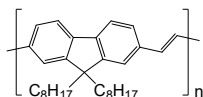
CAS No. : 1098102-96-5
 Grade : $M_w > 50,000$ (GPC)
 Formula : $(C_{45}H_{62}O_4S_4)_n$
 UV : 655, 703 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *J. Am. Chem. Soc.* 2009, 131, 56-57

LT-S9006

Poly[(9,9-dioctyl-9H-fluorene-2,7-diyl)-(1E)-1,2-ethenediyl]

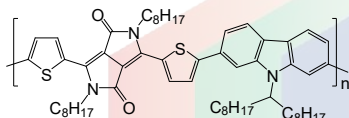
CAS No. : 360068-36-6
 Grade : $M_w > 20,000$ (GPC)
 Formula : $(C_{31}H_{42})_n$
 UV : 455 nm (in CH_2Cl_2)



LT-S9032 | PCBTDPP

Poly[N-9'-heptadecanyl-2,7carbazole-*alt*-3,6-bis(thiophen-5-yl)-2,5-dioctyl-2,5-dihydropyrrolo[3,4]pyrrole-1,4-dione]

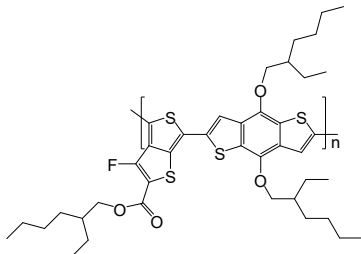
CAS No. : 1147374-60-4
 Grade : $M_w > 10,000$ (GPC)
 Formula : $(C_{59}H_{81}N_3O_2S_2)_n$
 UV : 647 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Organic Electronics* 11 (2010) 1053–1058

LT-S9050 | PTB7

Poly[4,8-bis[(2-ethylhexyl)oxy]benzo[1,2-*b*:4,5-*b'*]dithiophene-2,6-diyl-*alt*-3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-*b*]thiophene-4,6-diyl]

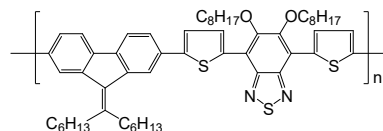
CAS No. : 1266549-31-8
 Grade : $M_w > 50,000$ (GPC)
 Formula : $(C_{41}H_{53}FO_4S_4)_n$
 UV : 670 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : 1. *Nature Photonics* 6, 591-595 (2012)2. *Adv. Mater.*, 2010, 22, 135-1383. *Adv. Mater.*, 2014, 26, 6653-6657

LT-S9065 | PAFDTBT

Poly[2,7-(9-(tridecan-7-ylidene)-9H-fluorene)-*alt*-4,7-bis(thiophen-2-yl)-5,6-bis(octyloxy)benzo[*c*][1,2,5]thiadiazole]

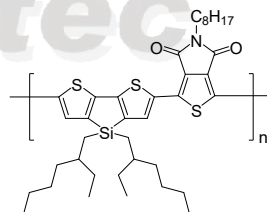
CAS No. : 1334549-75-5
 Grade : $M_w = 20,000 \sim 50,000$ (GPC)
 Formula : $(C_{56}H_{70}N_2O_2S_3)_n$
 UV : 522 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Macromolecules*, 2011, 4409, pp7617-7624

LT-S9066 | PDTSTPD

Poly[2,6-(4,4'-bis(ethylhexyl)dithieno[3,2-*b*:2',3'-*d*]silole)-*alt*-(1,3-(5-octyl-4H-thieno[3,4-*c*]pyrrole-4,6(5H)-dione)]

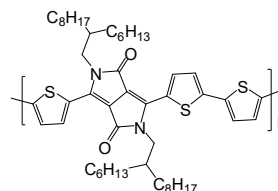
CAS No. : 1279109-93-1
 Grade : $M_w = 7,000 \sim 30,000$ (GPC)
 Formula : $(C_{38}H_{53}NO_2S_3Si)_n$
 UV : 614, 670 nm (film)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Adv. Funct. Mater.* 2012, 22, 2345-2351

LT-S9109 | PDPP3T

Poly[2,2'-[(2,5-bis(2-hexyldecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-*c*]pyrrole-1,4-diyl)dithiophene]-5,5'-diyl-*alt*-thiophen-2,5-diyl]

CAS No. : 1198291-01-8
 Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{50}H_{72}N_2O_2S_3)_n$
 UV : 830 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

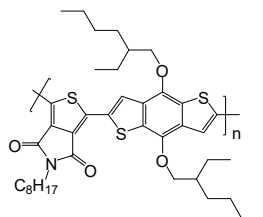
Reference : *J. Am. Chem. Soc.* 2009, 131, 16616-16617

LT-S9111 | PBDTTPD

Poly(4,8-bis[(2-ethylhexyl)oxy]benzo[1,2-*b*:4,5-*b'*]dithiophene-2,6-diyl-*alt*-(1,3-(5-octyl-4*H*-thieno[3,4-*c*]pyrrole-4,6(5*H*)-dione))

CAS No. : 1223479-75-1
 Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{40}H_{53}NO_4S_3)_n$
 UV : 610 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : 1. *Chem. Mater.* 2010, 22, 2696-2698
 2. *J. Am. Joc. Soc.* 2010, 132, 5330-5331

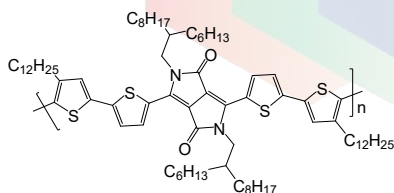


LT-S9112 | pBBTDPD2

Poly[3,6-bis(4'-dodecyl[2,2'-bithiophen]-5-yl)-2,5-bis(2-ethylhexyl)-2,5-dihydropyrrolo[3,4-*c*]pyrrole-1,4-dione]

Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{78}H_{124}N_2O_2S_4)_n$
 UV : 650 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *J. Phys. Chem. C*, 2011, 115(30), pp15075-15080

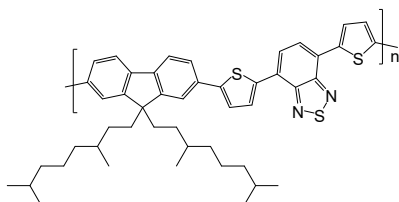


LT-S9113 | BisDMO-PFDTBT

poly([2,7-(9,9-bis-(3,7-dimethyl-octyl)-fluorene)-5-yl]-*alt*-[5,5-(4,7-di-2'-thienyl-2,1,3-benzothiadiazole)])

CAS No. : 1204005-82-2
 Grade : $M_w > 10,000$ (GPC)
 Formula : $(C_{47}H_{54}N_2S_3)_n$
 UV : 560 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Adv. Mater.* 2009, 21, 4238-4242

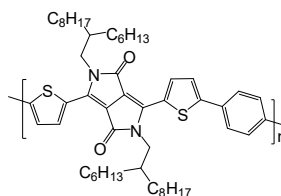


LT-S9114 | PDPPTPT

Poly(2,2'-[(2,5-bis(2-hexyldecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-*c*]pyrrole-1,4-diyl)]dithiophene-5,5'-diyl-*alt*-benzen-1,4-diyl)

CAS No. : 1255939-39-9
 Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{52}H_{74}N_2O_2S_2)_n$
 UV : 628 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : 1. *Chem. Mater.* 2012, 24, 1316-1323
 2. *Adv. Mater.* 2010, E242-E246

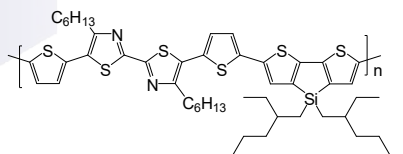


LT-S9116 | PBTzSBT

Poly[5,5'-bis(2-thienyl)-4,4,-dihexyl-2,2'-bithiazole-5',5''-diyl-*alt*-4,4'-bis(2-ethylhexyl)-dithieno[3,2-*b*:2',3'-*d*]silole-5,5'-diyl]

Grade : $M_w > 7,000$ (GPC)
 Formula : $(C_{50}H_{66}N_2S_6Si)_n$
 UV : 511 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Macromolecules* 2010, 43, 5706-5712

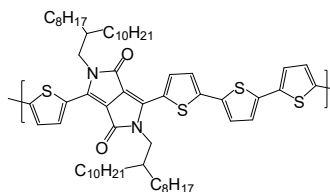


LT-S9117 | PDQT

Poly(2,2'-[(2,5-bis(2-octyl)dodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-*c*]pyrrole-1,4-diyl)]dithiophene-5,5'-diyl-*alt*-2,2'-bithiophene-5,5'-diyl)

CAS No. : 1267540-03-3
 Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{62}H_{90}N_2O_2S_4)_n$
 UV : 810 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *J. Mater. Chem. C*, 2013, 1, 4423-4426

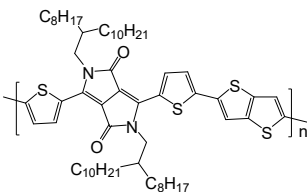


LT-S9118 | PDBT-co-TT

Poly(2,2'-(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithiophene-5,5'-diyl-*alt*-thieno[3,2-b]thiophen-2,5-diyl)

CAS No. : 1260685-65-1
 Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{60}H_{88}N_2O_2S_4)_n$
 UV : 810 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : 1. *Adv. Mater.* 2010, 22, 4862-4866
 2. *Chem. Mater.* 2012, 24, 1316-1323

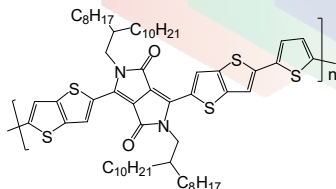


LT-S9119 | PDPPBTT

Poly(2,2'-(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithieno[3,2-b]thiophene-5,5'-diyl-*alt*-thiophen-2,5-diyl)

CAS No. : 1270977-98-4
 Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{62}H_{88}N_2O_2S_5)_n$
 UV : 812 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

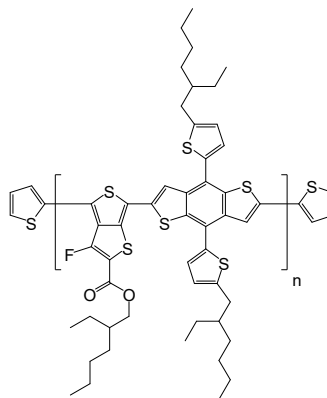
Reference : *J. Am. Chem. Soc.* 2011, 133, 3272-3275



LT-S9139 | PTB7-Th

Poly(4,8-bis[5-(2-ethylhexyl)thiophen-2-yl]benzo[1,2-b]:4,5-b']dithiophene-2,6-diyl-*alt*-3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-b]thiophene-4,6-diyl)

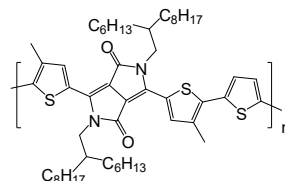
Grade : $M_w > 50,000$ (GPC)
 Formula : $(C_{84}H_{82})(C_{49}H_{57}FO_2S_6)_n$
 UV : 695 nm (in $CHCl_3$)
 Solubility : > 5 mg/mL in $CHCl_3$
 Reference : *Adv. Mater.* 2013, 25, 4766-4771



LT-S9178 | PMDPP3T

Poly[[2,5-bis(2-hexyldodecyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo[3,4-c]pyrrole-1,4-diyl]-*alt*-[3',3''-dimethyl-2,2':5',2''-terthiophene]-5,5''-diyl]

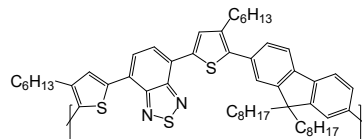
Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{52}H_{76}N_2O_2S_3)_n$
 UV : 830 nm (in $CHCl_3$)



LT-S9210 | F8TBT

4-(5-(9,9-Dioctyl-9H-fluoren-2-yl)-4-hexylthiophen-2-yl)-7-(4-hexylthiophen-2-yl)benzo[c][1,2,5]thiadiazole

CAS No. : 891911-18-5
 Grade : $M_w > 50,000$ (GPC)
 Formula : $(C_{55}H_{70}N_2S_3)_n$

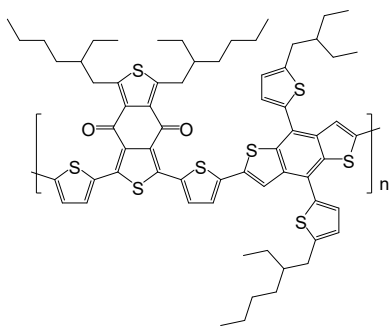


LT-S9273 | PBDB-T

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))]

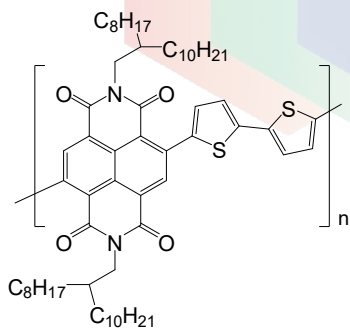
CAS No. : 1415929-80-4
Grade : Mw > 10,000 (GPC)
Formula : (C₆₈H₇₈O₂S₈)_n

Reference : *Adv. Mater.* 2016, 28, 4734-4739

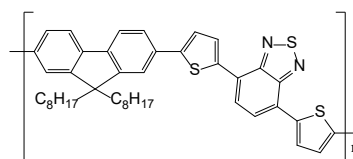
**LT-S9282**

Poly[[1,2,3,6,7,8-hexahydro-2,7-bis(2-octyldodecyl)-1,3,6,8-dioxobenzo[Imn][3,8]phenanthroline-4,9-diy] [2,2'-bithiophene]-5,5'-diy]

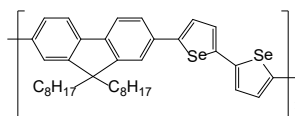
CAS No. : 1100243-40-0
Grade : M_w > 10,000
Formula : C₆₂H₈₈N₂O₄S₂

**LT-S9419 | PFOTBT**

Formula : (C₄₃H₄₆N₂S₃)_n
M.W. : 50-80 KDa

**LT-S9420 | F8Se2**

Formula : (C₃₇H₄₄Se₂)_n
M.W. : 25-150 KDa

**LT-S9421**

Formula : (C₁₀H₁₃NaO₄S₂)_n
M.W. : 40-70 KDa

