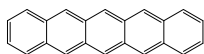


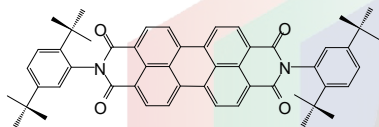
LT-S901 | Pentacene

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}

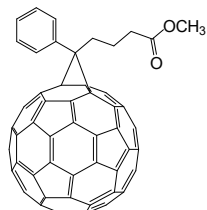
CAS No. : 99685-96-8
 Grade : > 99.5% (HPLC)
 Formula : C_{60}
 M.W. : 720.64 g/mole
 UV : 251 nm (in CH_2Cl_2)
 TGA : > 450 °C (0.5% weight loss)

**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)

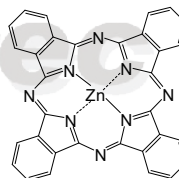
**LT-S905** | PCBM(6,6)-Phenyl C_{61} butyric acid methyl ester

CAS No. : 160848-22-6
 Grade : > 99.5% (HPLC)
 Formula : $C_{32}H_{14}O_2$
 M.W. : 910.88 g/mole
 UV : 258, 328 nm (in THF)
 TGA : > 350 °C (0.5% weight loss)

**LT-S906** | ZnPC

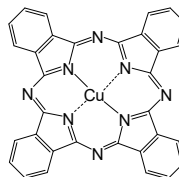
Zinc(II) phthalocyanine

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

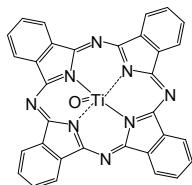
CAS No. : 147-14-8
 Grade : Sublimed, > 99%
 Formula : $C_{32}H_{16}CuN_8$
 M.W. : 576.07 g/mole
 UV : 681 nm (in CH_2Cl_2)
 PL : 404 nm (film)
 TGA : > 430 °C (0.5% weight loss)



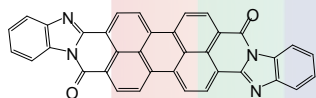
LT-E206 | TiOPC

Titanium(IV) oxide phthalocyanine

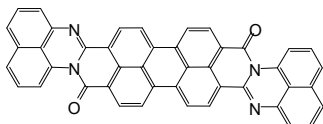
CAS No. : 26201-32-1
 Grade : Sublimed, > 99%
 Formula : $C_{24}H_{16}N_8OTi$
 M.W. : 576.39 g/mole
 UV : 349, 689 nm (in CH_2Cl_2)
 PL : 392 nm (film)
 TGA : > 440 °C (0.5% weight loss)

**LT-S918 | PTCBI**Bisbenzimidazo[2,1-a':1',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)

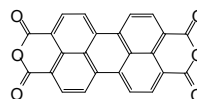
**LT-S919 | ADIDI**Anthra[2',1'-a']diperimidine-12,25-dione, with *cis* isomer

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**

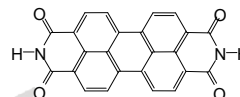
3,4,9,10-Perylenetetracarboxylic dianhydride

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*

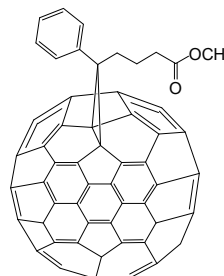
**LT-S921 | PTCDI**

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

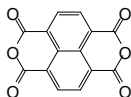
CAS No. : 609771-63-3
 Grade : > 99% (HPLC)
 Formula : $C_{82}H_{14}O_2$
 M.W. : 1030.93 g/mole
 UV : 372 nm (in Toluene)
 TGA : > 360 °C (0.5% weight loss)
 Reference : *Nature Photonics 6, 591-595 (2012)*



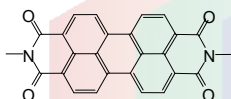
LT-S924 | NTDA

1,4,5,8-Naphthalenetetracarboxylic dianhydride

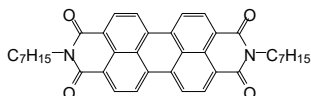
CAS No. : 81-30-1
 Grade : Sublimed, > 99%
 Formula : $C_{14}H_4O_6$
 M.W. : 268.18 g/mole
 UV : 347, 366 nm (in CH_2Cl_2)
 PL : 394 nm (in CH_2Cl_2)
 TGA : > 270 °C (0.5% weight loss)

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

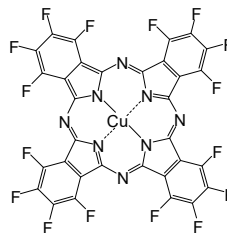
CAS No. : 5521-31-3
 Grade : Sublimed, > 99%
 Formula : $C_{26}H_{14}N_2O_4$
 M.W. : 419.40 g/mole
 UV : 522 nm (in CH_2Cl_2)
 PL : 532, 571 nm (in CH_2Cl_2)
 TGA : > 440 °C (0.5% weight loss)

**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)

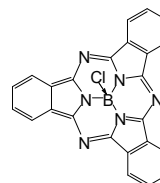
Reference : *J. Am. Chem. Soc.* 2000, 122, 11057-11066**LT-S928** | F_{16} CuPCCopper(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29*H*,31*H*-phthalocyanine

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)

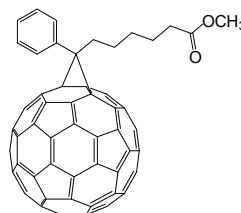
Reference : *Orange Electronics*, vol.11 (No.8), pp1399-1402**LT-S943** | SubPC

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

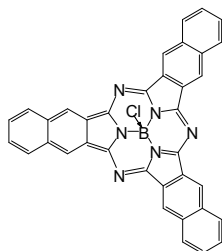
CAS No. : 1242279-48-6
 Grade : > 99% (HPLC)
 Formula : $C_{74}H_{18}O_2$
 M.W. : 938.81 g/mole
 UV : 328 nm (in CH_2Cl_2)
 TGA : > 350 °C (0.5% weight loss)



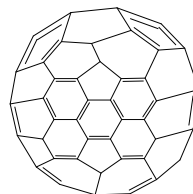
LT-S947 | SubNC

Boron sub-2,3-naphthalocyanine chloride

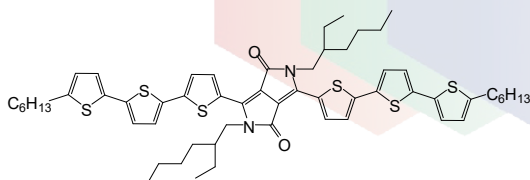
CAS No. : 142710-56-3
 Grade : Sublimed, > 99%
 Formula : $C_{36}H_{18}BClN_6$
 M.W. : 580.83 g/mole
 UV : 658 nm (in CH_2Cl_2)
 TGA : > 370 °C (0.5% weight loss)
 Reference : *J. Mater. Chem.*, 2000, 19, 5295-5297

**LT-S967** | C_{70} (5,6)-Fullerene- C_{70}

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

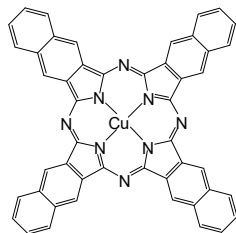
**LT-S952** | SMDPPEH2,5-Di-(2-ethylhexyl)-3,6-bis-(5'-n-hexyl-[2,2',5',2'']
terthiophen-5-yl)-pyrrolo[3,4-c]pyrrole-1,4-dione

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

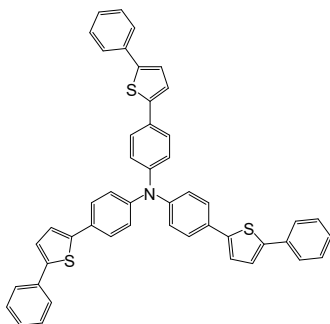
CAS No. : 33273-09-5
 Grade : Sublimed, > 99%
 Formula : $C_{48}H_{24}CuN_8$
 M.W. : 776.30 g/mole
 UV : 681 nm (in CH_2Cl_2)
 TGA : > 430 °C (0.5% weight loss)



LT-S984 | TPTPA

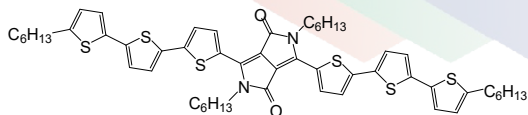
Tris(4-(5-phenylthiophen-2-yl)phenyl)amine

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

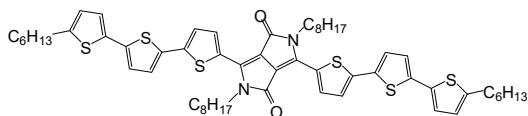
2,5-Dihexyl-3,6-bis-(5''-n-hexyl-[2,2',5',2'']terthiophen-5-yl)-pyrrolo[3,4-c]pyrrole-1,4-dione

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** | SMDPPO

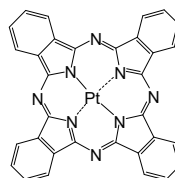
2,5-Dioctyl-3,6-bis-(5''-n-hexyl-[2,2',5',2'']terthiophen-5-yl)-pyrrolo[3,4-c]pyrrole-1,4-dione

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

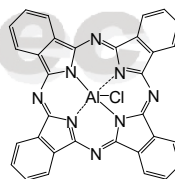
Platinum(II) phthalocyanine

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)

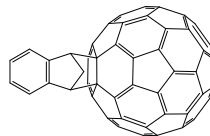
**LT-S9025** | AIPCCI

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

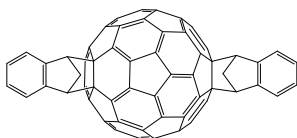
CAS No. : 172885-96-0
 Grade : > 99% (HPLC)
 Formula : $C_{69}H_8$
 M.W. : 836.82 g/mole
 UV : 318 nm (in CH_2Cl_2)
 TGA : > 200 °C (0.5% weight loss)
 Reference : *J. Am. Chem. Soc.*, 2010, 132(4), pp1377-1382



LT-S9030 | ICBA

C₆₀ 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

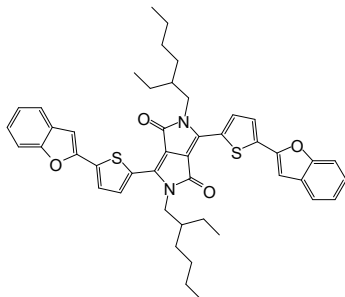
Diindeno[1,2,3-cd:1',2',3'-lm]perylene

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

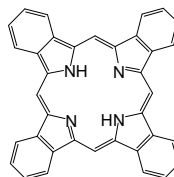
CAS No. : 1241836-03-2
 Grade : > 99% (NMR)
 Formula : C₄₆H₄₈N₂O₄S₂
 M.W. : 757.01 g/mole
 UV : 584, 629 nm (in CH₂Cl₂)
 TGA : > 330 °C (0.5% weight loss)
 Reference : *Adv. Funct. Mater.* 2009, 19, 3063-3069



LT-S9044 | BP

Tetrabenzoporphine

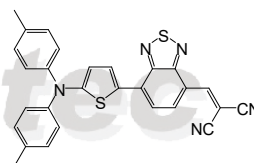
CAS No. : 52952-31-5
 Formula : C₃₆H₂₂N₄
 M.W. : 510.59 g/mole
 UV : 418, 432, 609, 665 nm (in CH₂Cl₂)



LT-S9046 | DTDCTB

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

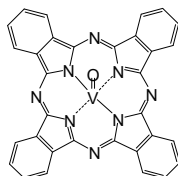
CAS No. : 1335150-09-8
 Grade : > 99% (HPLC)
 Formula : C₂₈H₁₉N₅S₂
 M.W. : 489.61 g/mole
 UV : 398, 622 nm (in CH₂Cl₂)
 TGA : > 280 °C (0.5% weight loss)
 Reference : *J. Am. Chem. Soc.*, 2011, 133(40) 15822-15825



LT-S9053 | VOPc

Vanadyl(IV) phthalocyanine

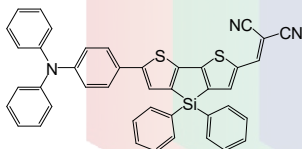
CAS No. : 13930-88-6
 Grade : Sublimed, > 99%
 Formula : $C_{32}H_{16}N_8OV$
 M.W. : 579.46 g/mole
 UV : 338, 684 nm (in CH_2Cl_2)
 TGA : > 400 °C (0.5% weight loss)
 Reference : *Appl. Phys. Lett.* 90, 253510 (2007)



LT-S9056 | TPDCDTS

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

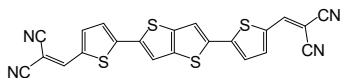
CAS No. : 1321562-79-1
 Grade : > 99% (HPLC)
 Formula : $C_{42}H_{27}N_3S_2Si$
 M.W. : 665.90 g/mole
 TGA : > 250 °C (0.5% weight loss)
 Reference : *Chem. Commun.*, 2011, 47, 7872-7874



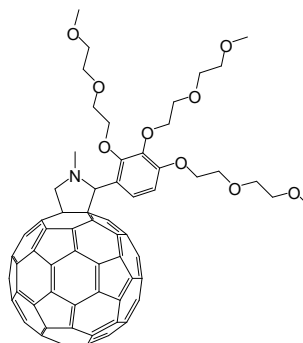
LT-S9061 | FT2TDMN

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

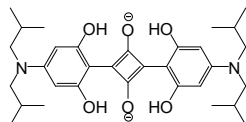
CAS No. : 1373957-22-2
 Grade : > 99% (HPLC)
 Formula : $C_{84}H_{41}NO_9$
 M.W. : 1208.26 g/mole
 TGA : > 300 °C (0.5% weight loss)
 Reference : *J. Mater. Chem.*, 2012, 22, 8574-8578



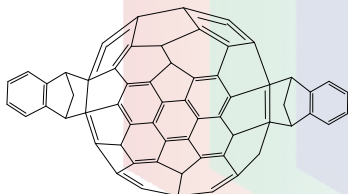
LT-S9074 | DIBSQ

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

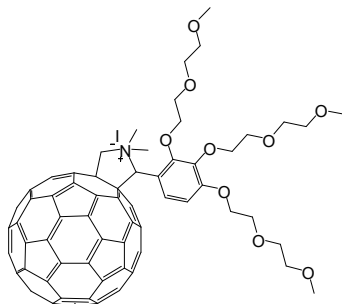
CAS No. : 432493-75-9
 Grade : > 99% (HPLC)
 Formula : $C_{32}H_{48}N_2O_6$
 M.W. : 556.7 g/mole
 TGA : > 270 °C (0.5% weight loss)
 Reference : *Phys. Chem. Chem. Phys.*, 2012, 14, 14661–14666

**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

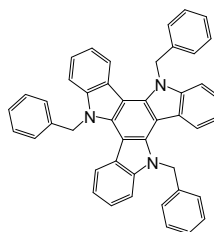
**LT-S9079** | PrC₆₀MA Iodide saltC₆₀N,N,N-trimethyl-1-(2,3,4-tris(2-(2-methoxyethoxy)ethoxy)phenyl)dimethanaminium monoadduct iodide salt

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

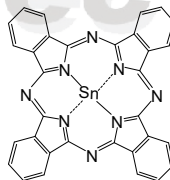
N',N'-Bis(dibenzo[b,d]thiophen-4-yl)-N',N'-diphenylbiphenyl-4,4'-diamine

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

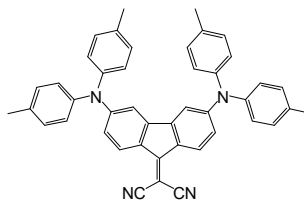
Tin(II) phthalocyanine

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

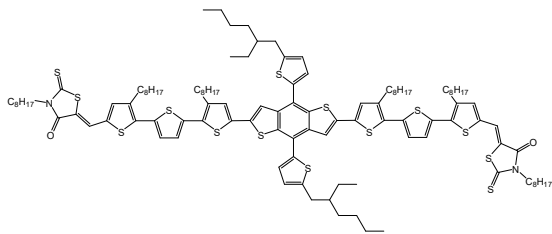


LT-S9123 | SMPV1

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

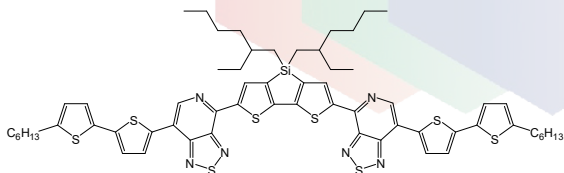


LT-S9124 | DTS(PTTh)2

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

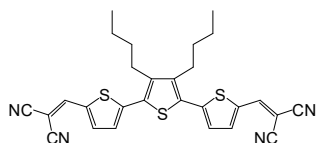


LT-S9125 | DCV3T

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

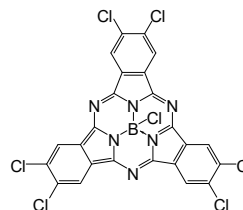


LT-S9149 | Cl6SubPc

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

CAS No. : 309963-65-3
 Grade : Sublimed, > 99%
 Formula : $C_{24}H_6BCl_7N_6$
 M.W. : 637.33 g/mole
 UV : 578 nm (in CH_2Cl_2)
 TGA : > 300 °C (0.5% weight loss)

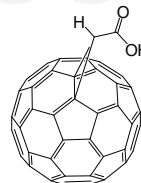
Reference : *Journal of Physical Chemistry C* (2014), 118(27), 14813-14823

LT-S9157 | C₇₀-COOH

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

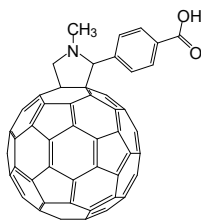
CAS No. : 180777-24-6
 Grade : > 99%
 Formula : $C_{72}H_2O_2$
 M.W. : 898.79 g/mole
 UV : 353, 370, 406 nm (in CH_2Cl_2)

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



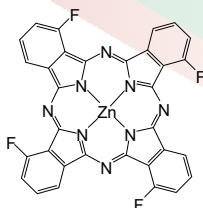
LT-S9161 | C₆₀-COOH-SAM4-(1',5'-dihydro-1'-methyl-2'H-[5,6]fullereno-C₆₀-1h-[1,9-c]pyrrol-2'-yl) benzoic acid

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

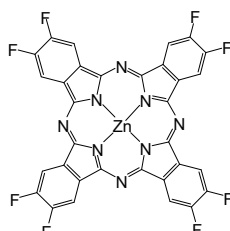
Zinc(II)-1,8,15,22-tetrafluoro-29H,31H-phthalocyanin,mixture of isomers

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

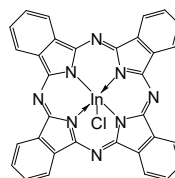
Zinc(II)-2,3,9,10,16,17,23,24-octafluoro-29H,31H-phthalocyanin

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

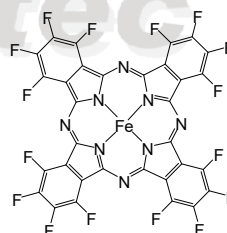
Indium(III) phthalocyanine chloride

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

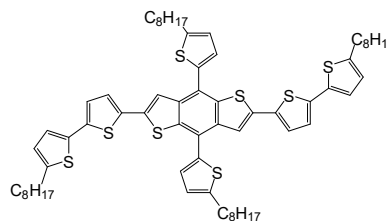
Iron(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29H,31H-phthalocyanine

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]

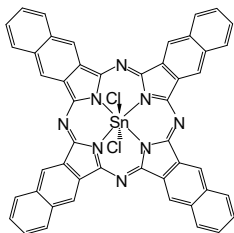
Grade : > 99% (NMR)
 Formula : C₆₆H₈₂S₈
 M.W. : 1131.88 g/mole
 UV : 249, 359, 442 nm (in CH₂Cl₂)



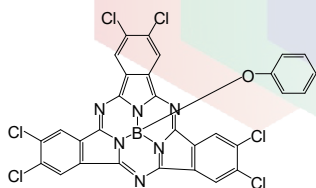
LT-S9180 | SnNCl₂

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)

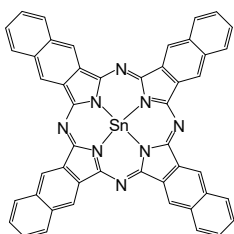
Reference : *Organic Electronics* (2013), 14(3), 804-808**LT-S9181** | PhO-BsubPc[2,3,9,10,16,17-Hexachloro-7,12,14,19-diimino-21,5-nitrilo-5*H*-tribenzo[*c,h,m*][1,6,11]triazacyclopentadecinato(2-*N*22,*N*23,*N*24]phenoxy-Boron

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

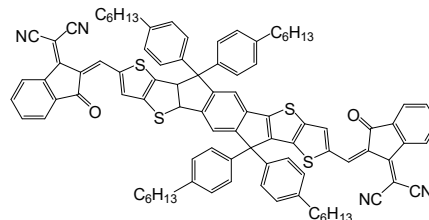
Tin(III) 2,3-naphthalocyanine

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

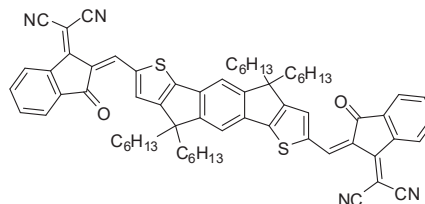
CAS No. : 1664293-06-4
 Grade : > 98%
 Formula : C₉₄H₈₂N₄O₂S₄
 M.W. : 1427.94 g/mole

**LT-S9268** | PDIN2,9-Bis(3-(dimethylamino)propyl)anthra[2,1,9-def:6,5,10-d'e'f]diisoquinoline-1,3,8,10(2*H*,9*H*)-tetraone

CAS No. : 117901-97-0
 Formula : C₃₄H₃₂N₄O₄
 M.W. : 560.64 g/mole
 HOMO : -6.05 eV
 LUMO : -3.72 eV
 PCE : 7.68%

Reference : *Energy Environ. Sci.*, 7, 1966, 2014**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(methyldiylidene(3-oxo-1*H*-indene-2,1(3*H*)-diylidene))]bis-Propanedinitrile

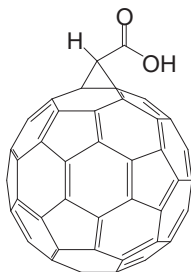
CAS No. : 1883441-92-6
 Grade : > 98% (HPLC)
 Formula : C₆₆H₆₆N₄O₂S₂
 M.W. : 1011.39 g/mole
 UV : 664 nm (in CH₂Cl₂)
 HOMO : -5.69 eV
 LUMO : -3.91 eV
 PCE : 8.71% (with PDBT-T1)

Reference : *J. Am. Chem. Soc.* 2016, 138, 2973-2976

LT-S9281 | C60-COOH

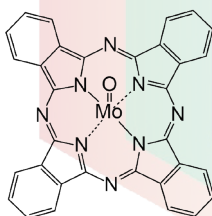
3'-H-Cyclopropa[1,9][5,6]fullerene-C60-1h-3'-carboxylic acid

CAS No. : 155116-19-1
 Grade : > 99%
 Formula : $C_{62}H_2O_2$
 M.W. : 778.68 g/mole

**LT-S9283** | MoOPC

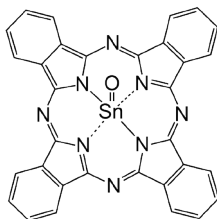
Oxo-phthalocyaninato-molybdenum (IV)

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

**LT-S9284** | SnOPC

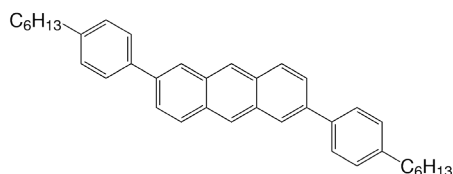
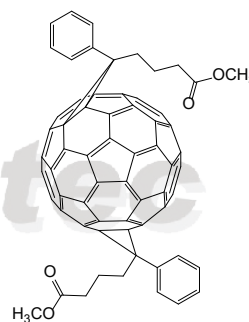
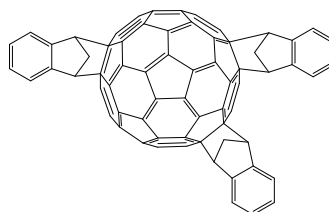
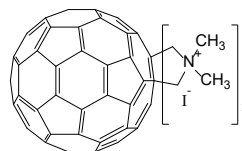
Oxo-phthalocyaninato-tin (IV)

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

**LT-S9285** | C6-DPA

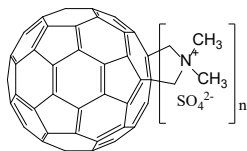
2,6-bis(4-hexylphenyl)anthracene

CAS No. : 1258209-99-2
 Grade : Sublimed, > 99%
 Formula : $C_{38}H_{42}$
 M.W. : 498.74 g/mole
 TGA : > 260°C (0.5% weight loss)

**LT-S9422** | Bis PC62BMFormula : $C_{84}H_{28}O_4$ **LT-S9423** | IC60TAFormula : $C_{87}H_{24}$ **LT-S9424** |Formula : $C_{60}(C_4H_{10}NI)_n$ 

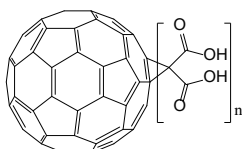
LT-S9425

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



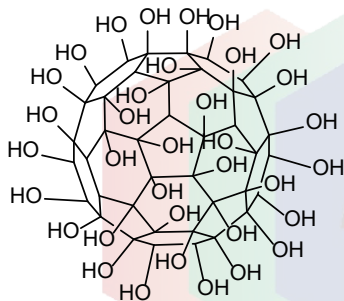
LT-S9426 C60-(malonic acid)_n

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



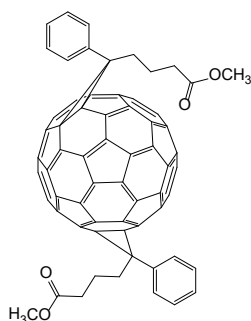
LT-S9427 Fullerol C60(OH)_n

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



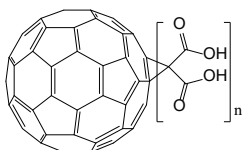
LT-S9428 bis-PC72BM

Formula : $C_{94}H_{28}O_4$



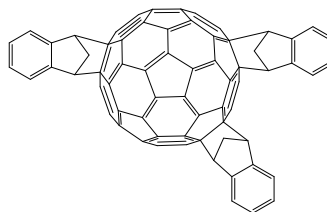
LT-S9429 C70-(malonic acid)_n

Formula : $C_{70}(C_3H_2O_4)_n$



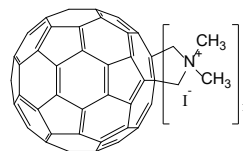
LT-S9431 IC70TA

Formula : $C_{97}H_{24}$



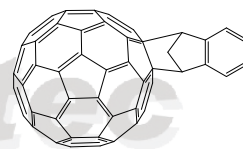
LT-S9432

Formula : $C_{70}(C_4H_{10}NI)_n$



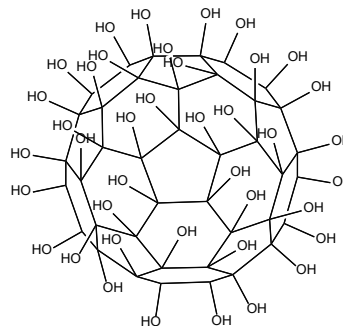
LT-S9433 IC70MA

Formula : $C_{79}H_8$



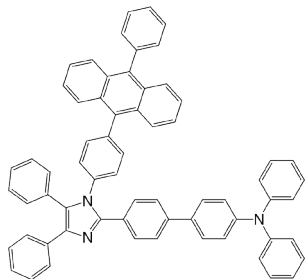
LT-S9434 Fullerol C70(OH)_n

Formula : $C_{70}(OH)_n$



LT-S9446

CAS No. : 2252254-01-4
 Grade : >99% (HPLC)
 Reference : *J. Mater. Chem. A*, 2018, 6, 23840–23855

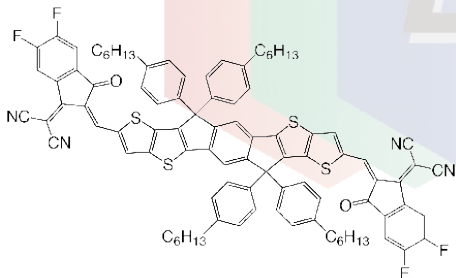


LT-S9447 | IT-4F,ITIC-2F

9-Bis(2-methylene-((3-(1,1-dicyanomethylene)-6,7-difluoro-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. : 1258209-99-2
 Grade : >98%(HPLC)
 M.W. : 1499.9 g/mole
 HOMO : -5.69 eV
 LUMO : -4.07 eV
 PCE : 13.5%(with PM6)

Reference : *Sci China Chem*, 61,531,2018

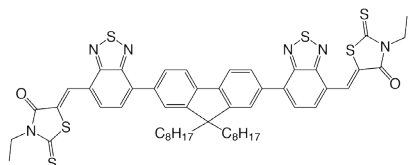


LT-S9466 | FBR

5,5'-[(9,9-Dioctyl-9H-fluorene-2,7-diyl)bis(2,1,3-benzothiadiazole-7,4-diylmethylidene)]bis[3-ethyl-2-thioxo-4-thiazolidinone]

CAS No. : 1644381-95-2
 Grade : >98%(HPLC)
 Formula : C₅₃H₅₆N₆O₂S₆
 M.W. : 1001.44 g/mole
 UV : 488nm (in CHCl₃)
 HOMO : -5.7 eV
 LUMO : -3.57 eV
 PCE : 4.11%(with P3HT)

Reference : *J. Am. Chem. Soc*, 137, 898,2015

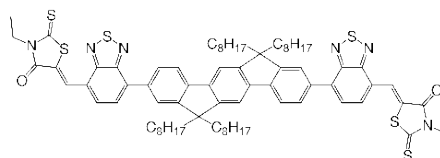


LT-S9468 | IDFBR

(5Z,5'Z)-5,5'-((7,7'-(6,6,12,12-tetraoctyl-6,12-dihydroindeno[1,2-b]fluorene-2,8-diyl)bis(benzo[c][1,2,5]thiadiazole-7,4-diyl))bis(methanylylidene))bis(3-ethyl-2-thioxothiazolidin-4-one)

CAS No. : 2088628-64-0
 Grade : >98%
 HOMO : -5.75 eV
 LUMO : -3.70 eV
 PCE : 11.0%(with PTB7-Th)

Reference : *Nature Materials*, 16, 363,2017

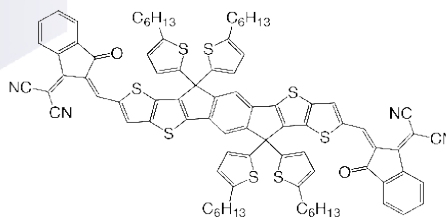


LT-S9471 | ITIC-Th

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

CAS No. : 1889344-13-1
 Grade : >98%
 Formula : C₈₆H₇₄N₄O₂S₈
 HOMO : -5.66 eV
 LUMO : -3.93 eV
 PCE : 9.6%(with PDBT-T1)

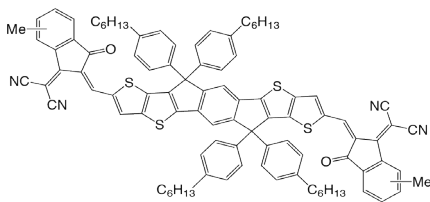
Reference : *J. Am. Chem. Soc*, 138, 4955,2016



LT-S9473 | ITIC-M

3,9-bis(2-methylene-((3-(1,1-dicyanomethylene)-6/7-methyl)-indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

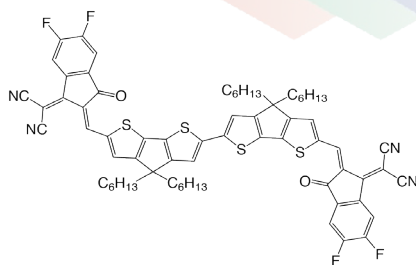
CAS No.	: 2047352-80-5 2047352-83-8 2047352-86-1
Grade	: >98%
Formula	: C ₉₈ H ₉₄ N ₄ O ₂ S ₄
HOMO	: -5.58 eV
LUMO	: -3.98 eV
PCE	: 12.05%(with PBDB-T)

**LT-S9475** | CPDT-4F

2,2'-((2Z,2'Z)-((4,4,4',4'-tetrahexyl-4H,4'H-[2,2'-bi(cyclopenta[1,2-b:5,4-b']dithiophene)]-6,6'-diyl)bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylydene)dimalononitrile

Grade	: >98% (HPLC)
Formula	: C ₆₈ H ₆₂ F ₄ N ₄ O ₂ S ₄
HOMO	: -5.26 eV
LUMO	: -3.87 eV
PCE	: 9.29%(with PBDB-T)

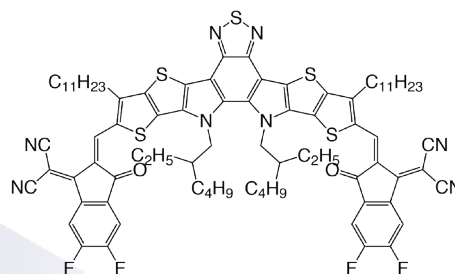
Reference : *Appl. Mater. Interfaces*, 11, 6717, 2019

**LT-S9476** | Y6(BTPPT-4F)

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]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

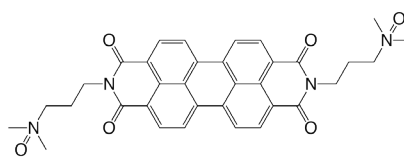
CAS No.	: 2304444-49-1
Grade	: >99% (NMR)
Formula	: C ₈₂ H ₈₆ F ₄ N ₈ O ₂ S ₅
M.W.	: 1451.93 g/mole
UV	: 731, 821 nm (in CHCl ₃)
HOMO	: -5.65 eV
LUMO	: -4.10 eV

Reference : *Joule* 3, 1-12, April 17, 2019

**LT-S9479** | PDINO

CAS No.	: 1558023-86-1
Grade	: >98%
HOMO	: -6.21 eV
LUMO	: -3.63 eV

Reference : *Energy Environ. Sci*, 7, 1966, 2014

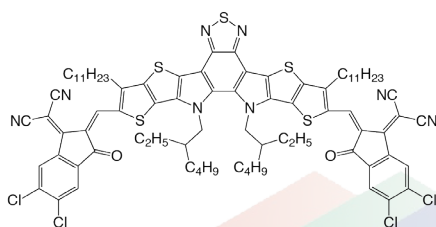


LT-S9491 | Y7, BTP-4Cl

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]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-diy)bis(methanylylidene)bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1-diyliidene)dimalononitrile

Grade	: >99%(NMR)
Formula	: C ₈₂ H ₈₆ Cl ₄ N ₈ O ₂ S ₅
M.W.	: 1517.75 g/mole
UV	: 746,839nm(in CHCl ₃)
HOMO	: -5.68 eV
LUMO	: -4.14 eV
PCE	: 16.5%(with PM6)

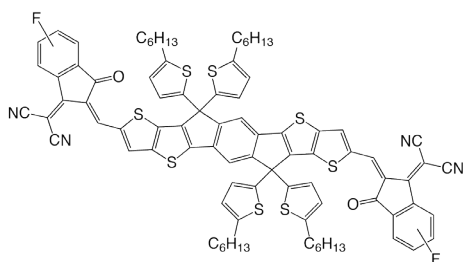
Reference : Commun., 10,2515, 2019

**LT-S9492** | ITIC-Th1

3,9-bis(2-methylene-(3-(1,1-dicyanomethylene)-6/7-fluoro-indanone))-5,5,11,11-tetrakis(5-hexylthienyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

Grade	: >99%(NMR)
Formula	: C ₈₆ H ₇₂ F ₂ N ₄ O ₂ S ₈
M.W.	: 1488.03 g/mole
UV	: 677nm(in CH ₂ Cl ₂)
HOMO	: -5.74 eV
LUMO	: -4.01 eV
PCE	: 12.1%(with FTAZ)

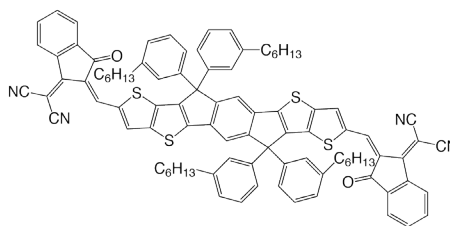
Reference : Adv. Mater,29, 1700144,2017

**LT-S9493** | m-ITIC

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

Grade	: >99%(NMR)
Formula	: C ₉₄ H ₈₂ N ₄ O ₂ S ₄
M.W.	: 1427.94 g/mole
HOMO	: -5.58 eV
LUMO	: -3.98 eV
PCE	: 11.77%(with J61)

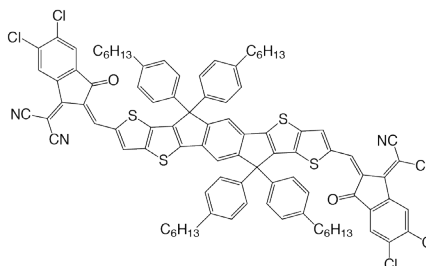
Reference : J. Am. Chem. Soc, 138, 1501,2016

**LT-S9494** | IT-4Cl,ITIC-2Cl

3,9-bis(2-methylene-(3-(1,1-dicyanomethylene)-6,7-dichloro-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.	: 2253663-81-7
Grade	: >99%(NMR)
Formula	: C ₉₄ H ₇₈ Cl ₄ N ₄ O ₂ S ₄
M.W.	: 1565.72 g/mole
HOMO	: -5.75 eV
LUMO	: -4.09 eV
PCE	: 13.45%(with PM6)

Reference : Adv. Mater,30, 1800613,2018

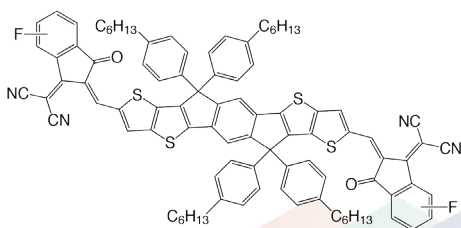


LT-S9495 | IT-2F

3,9-bis(2-methylene-((3-(1,1-dicyanomethylene)-6/7-fluoro)-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.	: 2253663-81-7
Grade	: >99%(NMR)
Formula	: $C_{96}H_{88}F_2N_4O_2S_4$
M.W.	: 1496.01 g/mole
UV	: 685,721nm(in $CHCl_3$)
HOMO	: -5.41 eV
LUMO	: -3.87 eV
PCE	: 12.08%(with PBDB-T)

Reference : *Solar Energy*, 195, 429,2020

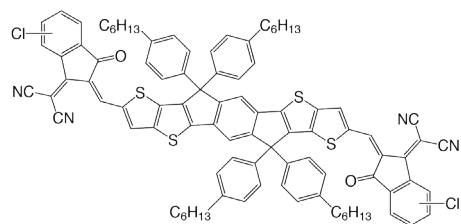


LT-S9496 | IT-2Cl

3,9-bis(2-methylene-((3-(1,1-dicyanomethylene)-6/7-chloro)-indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

Grade	: >99%(NMR)
Formula	: $C_{96}H_{88}Cl_2N_4O_2S_4$
M.W.	: 1528.92 g/mole
UV	: 690,735nm(in $CHCl_3$)
HOMO	: -5.42 eV
LUMO	: -3.90 eV
PCE	: 10.77%(with PBDB-T)

Reference : *Solar Energy*, 195, 429,2020

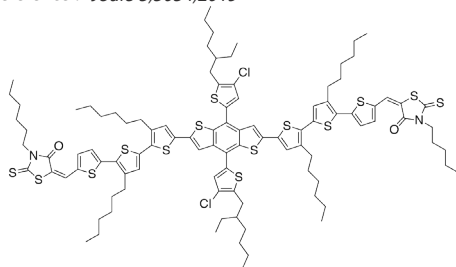


LT-S9498 | BTR-Cl

5,5'-[[4,8-bis[5-(2-chloro)-4-hexyl-2-thienyl]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]bis[(3',3''-dihexyl[2,2':5',2''-terthiophene]-5'',5'-diyl)methylidene]]bis[3-hexyl-2-thioxo-4-thiazolidinone

Grade	: >99%(NMR)
Formula	: $C_{102}H_{126}Cl_2N_2O_2S_{14}$
M.W.	: 1931.92 g/mole
UV	: 520nm (in $CHCl_3$)
HOMO	: -5.46 eV
LUMO	: -3.70 eV
PCE	: 13.6%(with Y6)

Reference : *Joule* 3,3034,2019



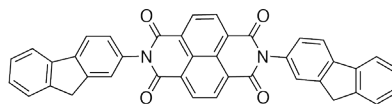
LT-S9500 | Bis-HFI-NTCDI

2,7-di(9H-fluoren-2-yl)benzo[Imn][3,8]-phenanthroline-1,3,6,8(2H,7H)-tetraone

CAS No.	: 1397188-84-9
Grade	: Second sublimation, >99%
Formula	: $C_{40}H_{22}N_2O_4$
M.W.	: 594.61 g/mole
EA	: 3.5 eV

Conductivity : 1.3×10^{-4} S/cm

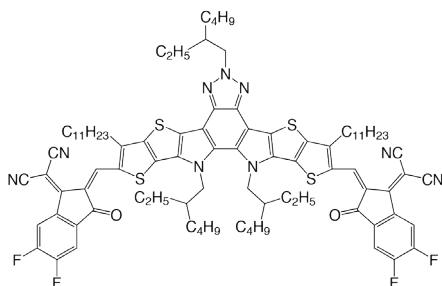
Reference : *Zeitschrift für Physikalische Chemie, Volume 232, Issue 9-11, Pages 1717-1732*



LT-S9505 | Y11

Grade : >99%(NMR)
 Formula : $(C_{90}H_{103}F_4N_9O_2S_4)_n$
 M.W. : 1547.09 g/mole
 UV : 850 nm (film)
 HOMO : -5.69 eV
 LUMO : -3.87 eV

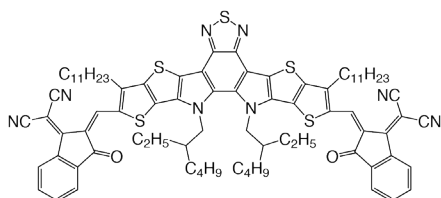
Reference : *Nature Photonics* (DOI: 10.1038/s41566-019-0573-5)



LT-S9508 | TPT10

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]thieno[2',3':4,5]thieno[3,2-b]indole-2,10-diyl) bis(methanylylidene)bi

Grade : >99%(NMR)
 Formula : $C_{82}H_{88}Br_2N_8O_2S_5$
 M.W. : 1547.09 g/mole
 UV : 817 nm (film)
 HOMO : -5.52 eV
 LUMO : -3.99 eV



Lumtec