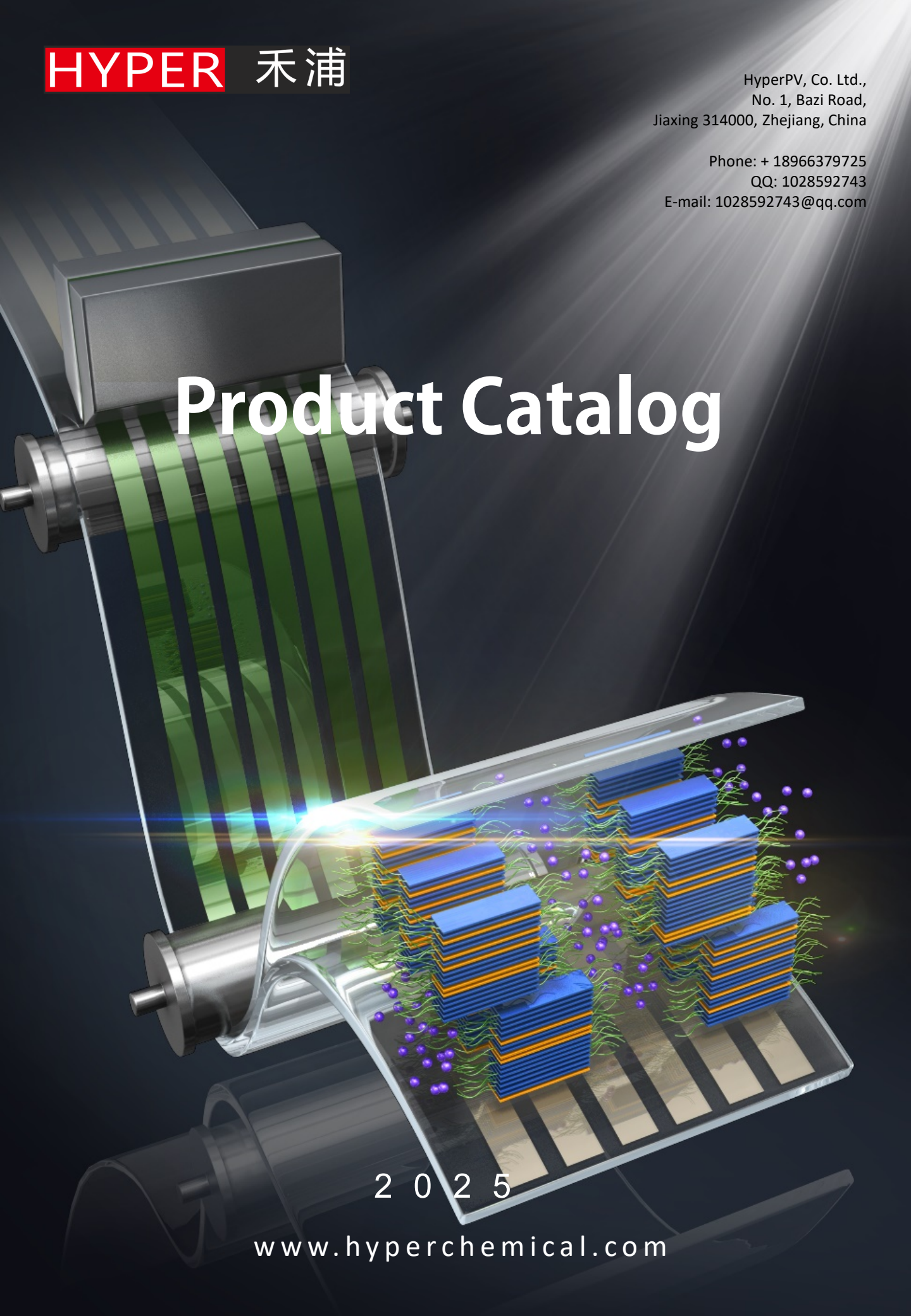


Product Catalog

2025

www.hyperchemical.com



公司简介

禾浦光电 (HyperPV, Inc.) 坐落于嘉兴市秀洲国家高新区, 是由中科院科研人员创办、深圳市智造未来创新技术有限公司孵化的科技公司。禾浦光电拥有一支来自知名企业和科研机构的研究人员组成的多背景技术团队以及一流的硬件设施, 致力于开发基于印刷技术的低成本、高效率有机薄膜太阳能电池。

在有机光电材料领域, 公司目前已形成包括小分子材料、聚合物材料以及富勒烯衍生物在内的完备产品线, 服务全球百余所科研机构和企业, 是有机太阳能电池材料的头部供应商之一。未来, 禾浦光电将完成包括有机光电材料研发和量产、全印刷产线设计和有机薄膜组件开发在内的全产业链布局, 充分利用有机太阳能电池半透明、可弯折、弱光性能优异以及高比功率等天然优势, 致力于开发建筑光伏一体化 (BIPV)、物联网以及空间探索等多应用场景下的光伏产品。



产品和服务

- 电子给受体材料的中间体、单体, 包括但不限于: Thiophene, BTP, BDT, BDD, IDT, IDTT, BT, DPP, IC等系列;
- 聚合物、富勒烯、非富勒烯等系列高性能电子给受体器件材料;
- 定制合成: 可提供毫克至公斤级独占或非独占化合物的定制合成服务;
- 测试服务: HPLC, GC, GPC, PCE, EQE.

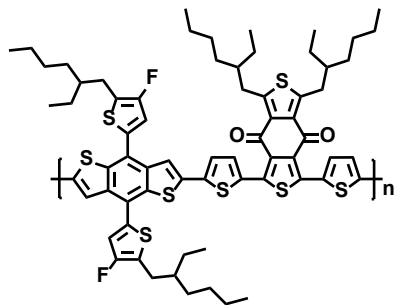
部分合作客户



禾浦期待与您合作, 扫描二维码了解更多产品信息

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PM6 (PBDB-TF, PBDB-T-2F)

CAS#: 1802013-83-7

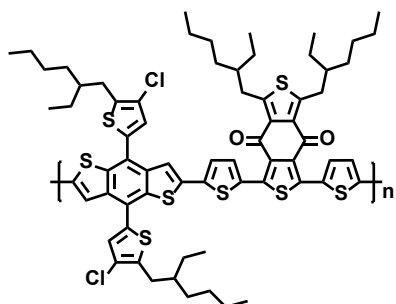
HOMO: -5.45 eV

LUMO: -3.65 eV

Abs(edge): ~690 nm

Mn: 20K~60K *

Ref: 10.1002/adma.201502110

PM7 (PBDB-TC1, PBDB-T-2Cl)

CAS#: 2239295-71-5

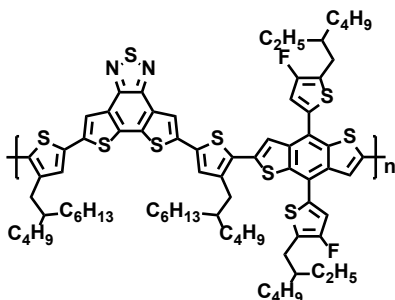
HOMO: -5.52 eV

LUMO: -3.57 eV

Abs(edge): ~690 nm

Mn: 20K~60K *

Ref: 10.1002/adma.201800868

D18

CAS#: 2433725-54-1

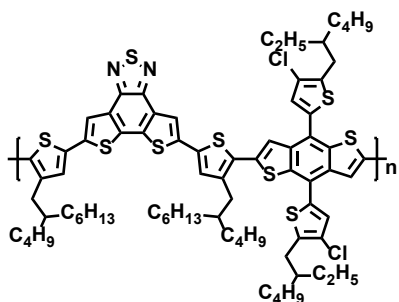
HOMO: -5.51 eV

LUMO: -2.77 eV

Abs(edge): ~630 nm

Mn: 40K~80K *

Ref: 10.1016/j.scib.2020.01.001

D18-Cl

CAS#: 2433725-53-0

HOMO: -5.56 eV

LUMO: -2.78 eV

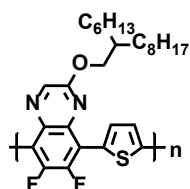
Abs(edge): ~620 nm

Mn: 40K~120K *

Ref: 10.1002/adfm.202102413

* 可按需定制

PTQ10



CAS#: 2270233-86-6

HOMO: -5.54 eV

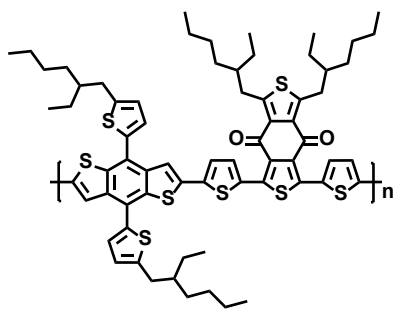
LUMO: -2.98 eV

Abs(edge): 645 nm

Mn: 20K~60K *

Ref: 10.1038/s41467-018-03207-x

PBDB-T



CAS#: 1415929-80-4

HOMO: -5.33 eV

LUMO: -2.92 eV

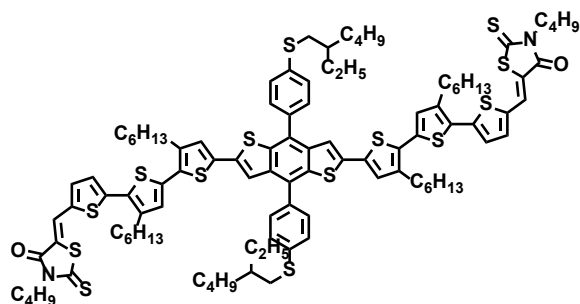
Abs(edge): ~680nm

Mn: 20K~60K *

Ref: 10.1021/ma301900h

* 可按需定制

B1



CAS#: NA

HOMO: -5.37 eV

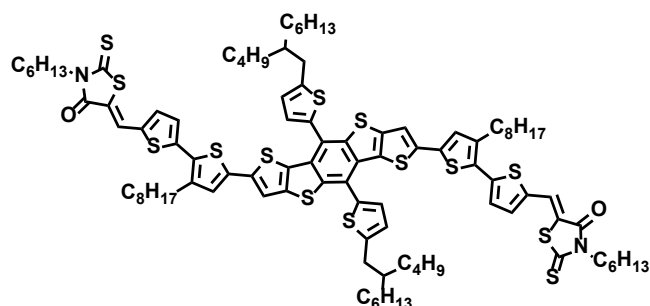
LUMO: -3.51eV

Abs(edge): nm

Purity: >99% (HPLC)

Ref: 10.1039/d1ee02124a

ZR1



CAS#: NA

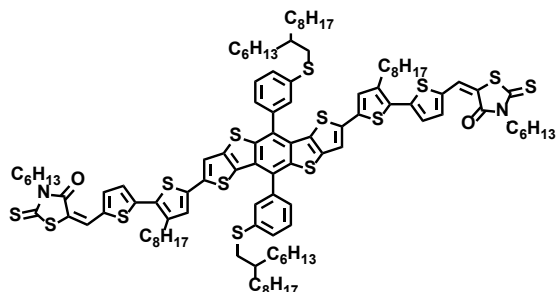
HOMO: -5.32 eV

LUMO: -3.53 eV

Abs(edge): 675 nm

Purity: >99% (HPLC)

Ref: 10.1038/s41467-019-13292-1

MPhS

CAS#: NA

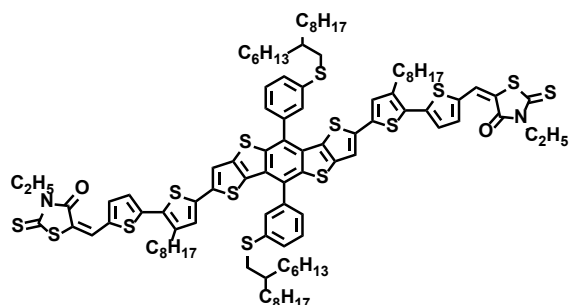
HOMO: -5.35 eV

LUMO: -3.45 eV

Abs(edge): ~680 nm

Purity: >99% (HPLC)

Ref: 10.1002/adma.202106316

MPhS-C2

CAS#: NA

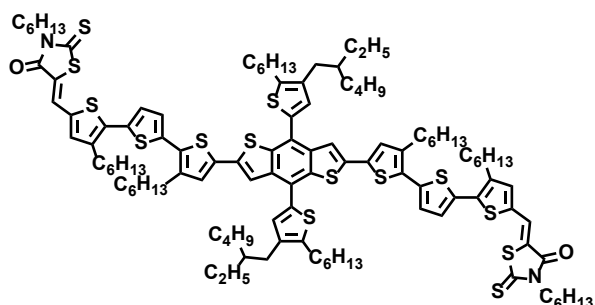
HOMO: -5.35 eV

LUMO: -3.45 eV

Abs(edge): ~680 nm

Purity: >99% (HPLC)

Ref: 10.1002/adma.202207020

BTR

CAS#: 2041283-06-9

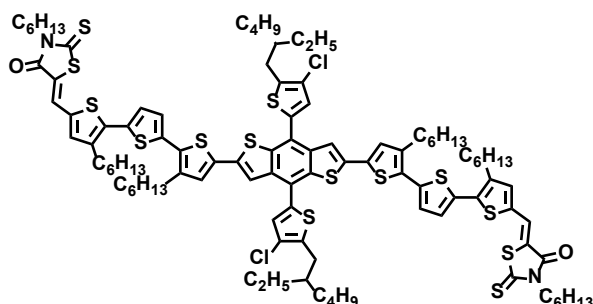
HOMO: -5.34 eV

LUMO: -3.52 eV

Abs(edge): ~700 nm

Purity: >99% (HPLC)

Ref: 10.1038/ncomms7013

BTR-C1

CAS#: 2410661-17-3

HOMO: -5.46 eV

LUMO: -3.70 eV

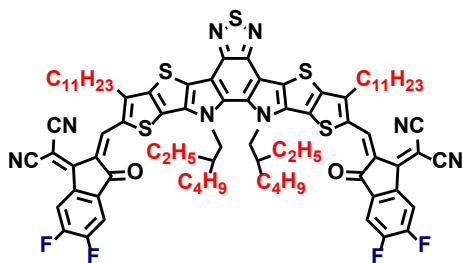
Abs(edge): ~700 nm

Purity: >99% (HPLC)

Ref: 10.1016/j.joule.2019.09.009

Y6

Cat.NO.: TTBT501-oDFIC



CAS#: 2304444-49-1

HOMO: -5.65 eV

LUMO: -4.10 eV

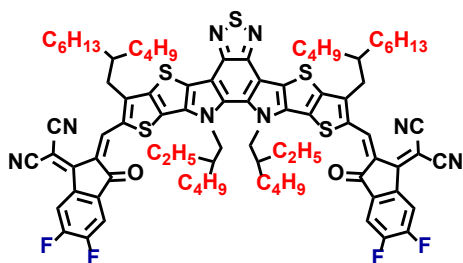
Abs(edge): ~930 nm

Purity: >99.5% (HPLC)

Ref: 10.1016/j.joule.2019.01.004

L8-BO

Cat.NO.: TTBT521-oDFIC



CAS#: 2668341-40-8

HOMO: -5.68 eV

LUMO: -3.90 eV

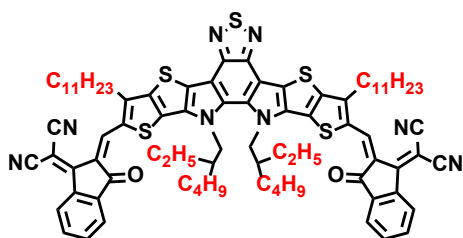
Abs(edge): ~885 nm

Purity: >99.5% (HPLC)

Ref: 10.1038/s41560-021-00820-x

Y5

Cat.NO.: TTBT501-IC



CAS#: 2304444-48-0

HOMO: -5.55 eV

LUMO: -3.87 eV

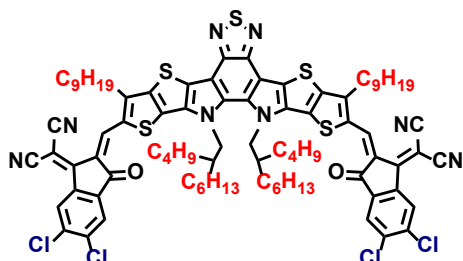
Abs(edge): ~900 nm

Purity: >99.5% (HPLC)

Ref: 10.1002/adma.201807577

BTP-eC9

Cat.NO.: TTBT507-oDCIC



CAS#: 2598965-39-8

HOMO: -5.64 eV

LUMO: -4.07 eV

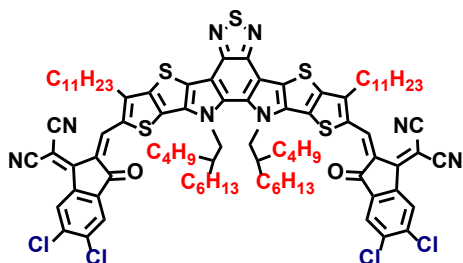
Abs(edge): ~930 nm

Purity: >99.5% (HPLC)

Ref: 10.1002/adma.201908205

BO-4Cl (BTP-eC11)

Cat.NO.: TTBT505-oDCIC



CAS#: 2447642-41-1

HOMO: -5.66 eV

LUMO: -4.09 eV

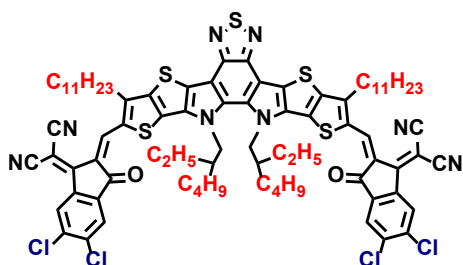
Abs(edge): ~930 nm

Purity: >99.5% (HPLC)

Ref: 10.1093/nsr/nwz200

Y7 (BTP-4Cl)

Cat.NO.: TTBT501-oDCIC



CAS#: 2414918-25-3

HOMO: -5.68 eV

LUMO: -4.12 eV

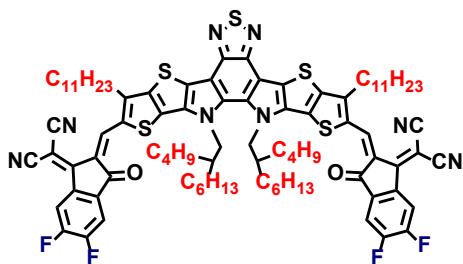
Abs(edge): ~930 nm

Purity: >99.5% (HPLC)

Ref: 10.1038/s41467-019-10351-5

BO-4F (Y6-BO, BTP-4F-12)

Cat.NO.: TTBT505-oDFIC



CAS#: 2389125-23-7

HOMO: -5.68 eV

LUMO: -4.06 eV

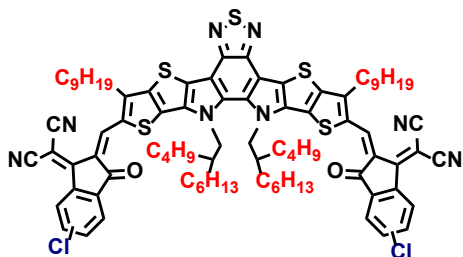
Abs(edge): nm

Purity: >99.5% (HPLC)

Ref: 10.1002/adma.201903441

eC9-2Cl

Cat.NO.: TTBT507-CIC



CAS#: NA

HOMO: -5.57 eV

LUMO: -3.74 eV

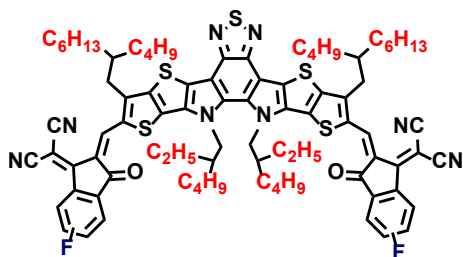
Abs(edge): ~900 nm

Purity: >99.5% (HPLC)

Ref: 10.1002/adma.202102420

L8-BO-2F

Cat.NO.: TTBT521-FIC



CAS#: NA

HOMO: eV

LUMO: eV

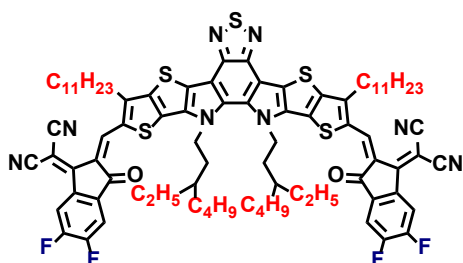
Abs(edge): nm

Purity: >99.5% (HPLC)

Ref:

N3

Cat.NO.: TTBT504-oDFIC



CAS#: 2640657-07-2

HOMO: eV

LUMO: eV

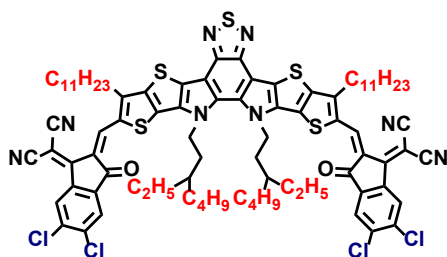
Abs(edge): ~930 nm

Purity: >99.5% (HPLC)

Ref: 10.1016/j.joule.2019.09.010

N3-4Cl

Cat.NO.: TTBT504-oDCIC



CAS#: NA

HOMO: -5.63 eV

LUMO: -3.98 eV

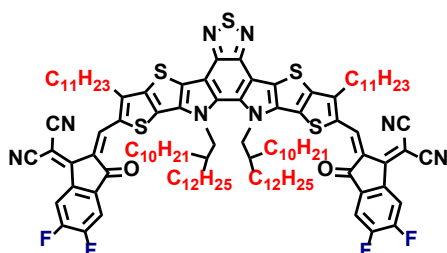
Abs(edge): ~920 nm

Purity: >99.5% (HPLC)

Ref: 10.1039/D0QM00151A

DTY6

Cat.NO.: TTBT509-oDFIC



CAS#: NA

HOMO: -5.51 eV

LUMO: -3.65 eV

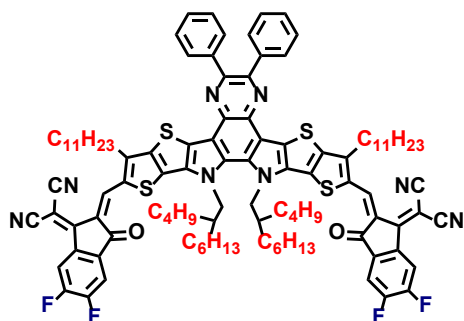
Abs(edge): ~930 nm

Purity: >99.5% (HPLC)

Ref: 10.1016/j.joule.2020.07.028

QX-1

Cat.NO.: TTZX503-oDFIC



CAS#: NA

HOMO: -5.58 eV

LUMO: -3.98 eV

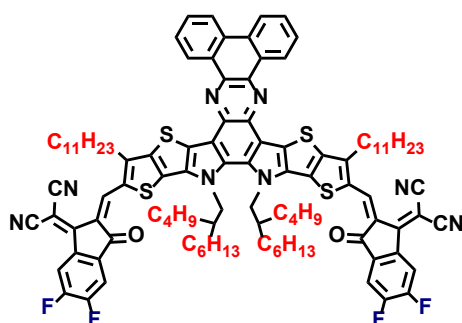
Abs(edge): ~880 nm

Purity: >99.5% (HPLC)

Ref: 10.1038/s41467-022-30927-y

QX-2

Cat.NO.: TTQX503-oDFIC



CAS#: NA

HOMO: -5.54 eV

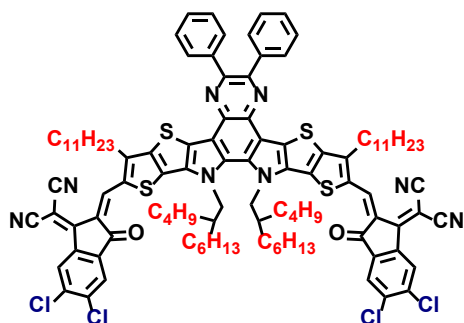
LUMO: -3.86 eV

Abs(edge): ~880 nm

Purity: >99.5% (HPLC)

Ref: 10.1038/s41467-022-30927-y

Cat.NO.: TTZX503-oDCIC



CAS#: NA

HOMO: eV

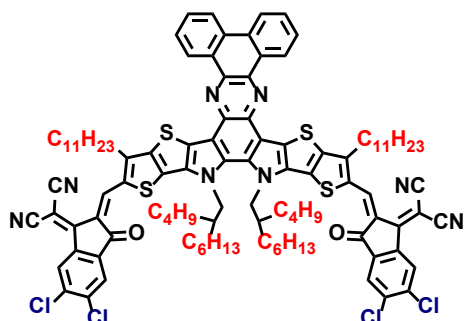
LUMO: eV

Abs(edge): nm

Purity: >99.5% (HPLC)

Ref:

Cat.NO.: TTQX503-oDCIC



CAS#: NA

HOMO: eV

LUMO: eV

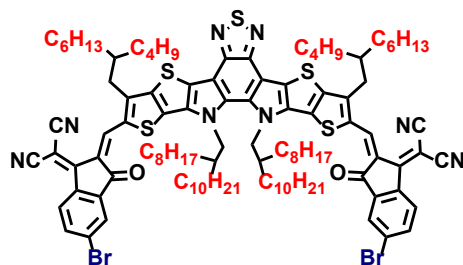
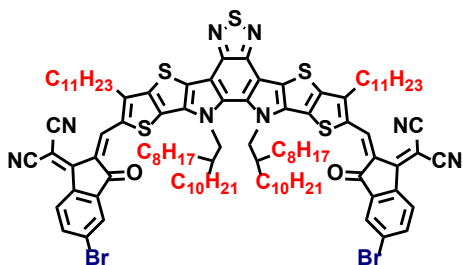
Abs(edge): nm

Purity: >99.5% (HPLC)

Ref:

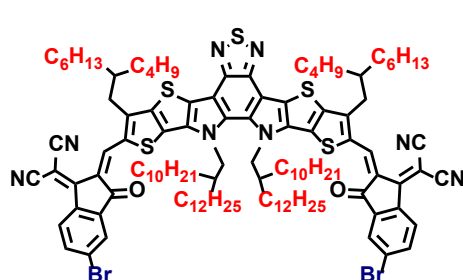
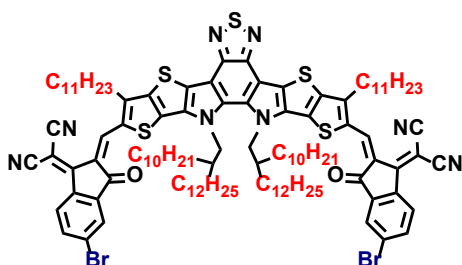
Cat.NO.: TTBT508-5BrIC

Cat.NO.: TTBT524-5BrIC

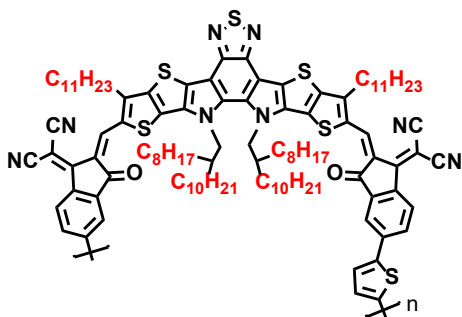


Cat.NO.: TTBT509-5BrIC

Cat.NO.: TTBT525-5BrIC



PY-IT



CAS#: NA

HOMO: -5.68 eV

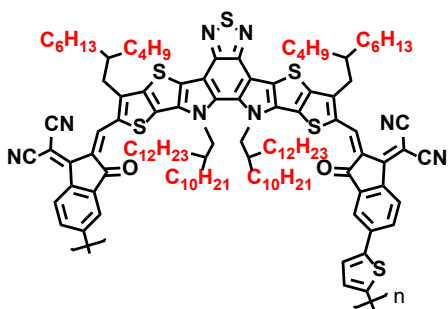
LUMO: -3.94 eV

Abs(edge): ~890 nm

Mn: 5K~20K *

Ref: 10.1002/adma.202005942

PY-DT



CAS#: NA

HOMO: -5.60 eV

LUMO: -3.83 eV

Abs(edge): ~870 nm

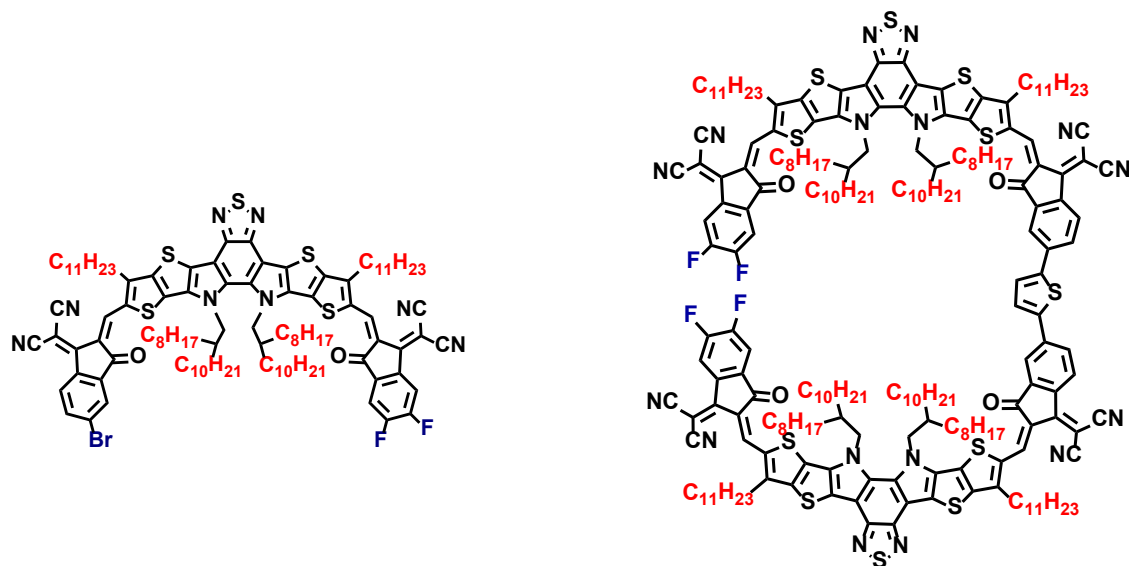
Mn: 5K~20K *

Ref: 10.1002/adma.202110155

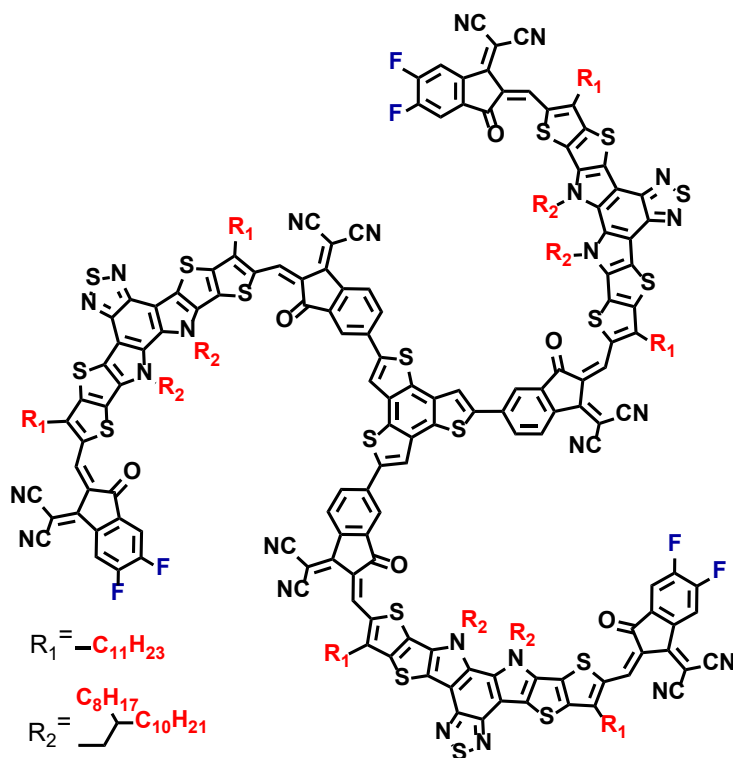
* 分子量可选

TTBT5508

G-Dimer-C8C10 (DBT)

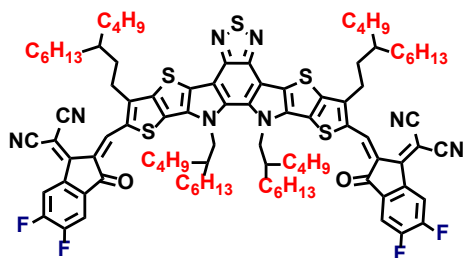


G-Trimer-C8C10 (TBT)



L8-BO-X

Cat.NO.: TTBT551-oDFIC



CAS#: NA

HOMO: -5.74 eV

LUMO: -3.89 eV

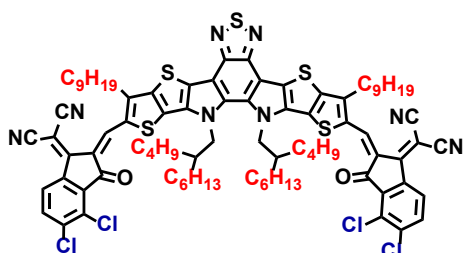
Abs(edge): ~885 nm

Purity: >99.5% (HPLC)

Ref: 10.1038/s41467-023-41978-0

o-BTP-eC9

Cat.NO.: TTBT507-θoDCIC



CAS#: NA

HOMO: -5.70 eV

LUMO: -3.86 eV

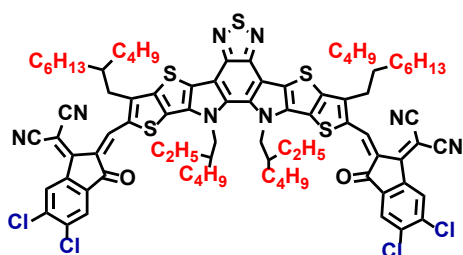
Abs(edge): ~900 nm

Purity: >99.5% (HPLC)

Ref: 10.1038/s41467-024-46022-3

L8-BO-4Cl

Cat.NO.: TTBT521-oDCIC



CAS#: NA

HOMO: eV

LUMO: eV

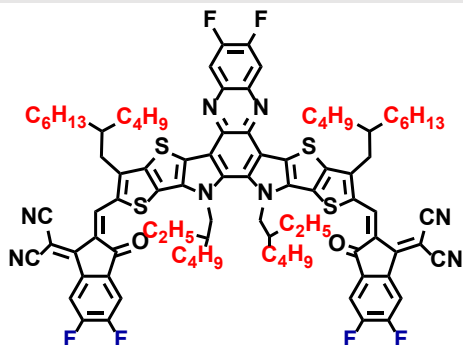
Abs(edge): nm

Purity: >99.5% (HPLC)

Ref:

AQx-2F

Cat.NO.: TTQX5021-oDFIC



CAS#: NA

HOMO: eV

LUMO: eV

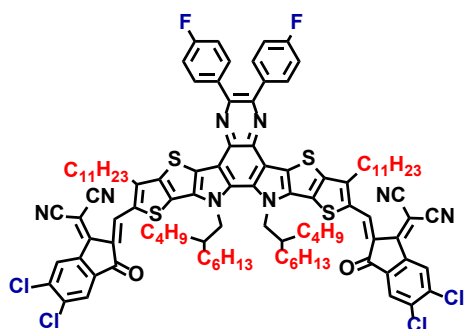
Abs(edge): ~890 nm

Purity: >99.5% (HPLC)

Ref: 10.1016/j.joule.2024.01.005

Qx-p-4Cl

Cat. NO. : TTZX5022-oDCIC



CAS#: NA

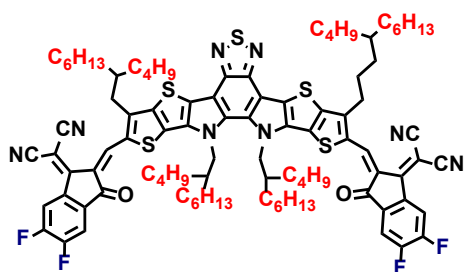
HOMO: eV

LUMO: eV

Abs(edge): nm

Purity: >99.5% (HPLC)

Ref: 10.1016/j.joule.2024.01.005

L8-BO-C4

CAS#: NA

HOMO: -5.70 eV

LUMO: -3.92 eV

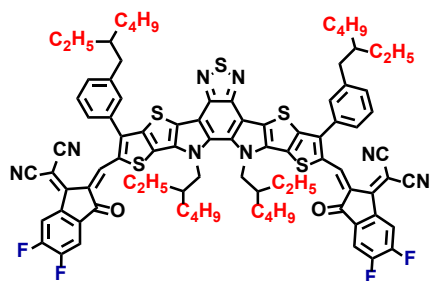
Abs(edge): ~895 nm

Purity: >99.5% (HPLC)

Ref: 10.1038/s41563-024-02087-5

BTP-4F-P2EH

Cat. No. : TTBT571-oDFIC



CAS#: NA

HOMO: - eV

LUMO: - eV

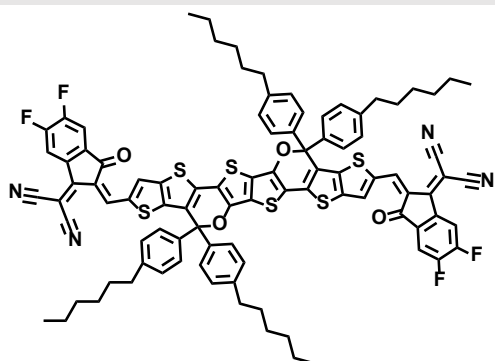
Abs(edge): ~ nm

Purity: >99.5% (HPLC)

Ref: 10.1002/aenm.202102596

COi8-DFIC

Cat.NO.: TTOTT521-oDFIC



CAS#: 2184266-44-0

HOMO: -5.55 eV

LUMO: -3.88 eV

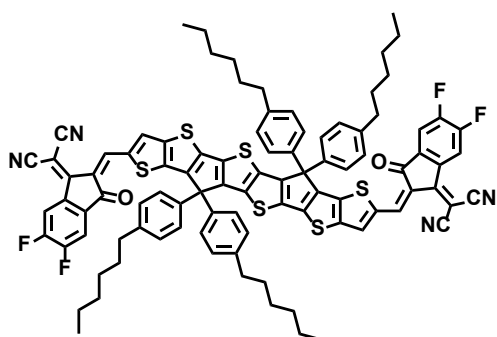
Abs(edge): ~985 nm

Purity: >99.5% (HPLC)

Ref: 10.1016/j.scib.2017.10.017

F8IC

Cat.NO.: TTCTT521-oDFIC



CAS#: 2234274-64-5

HOMO: -5.66 eV

LUMO: -4.00 eV

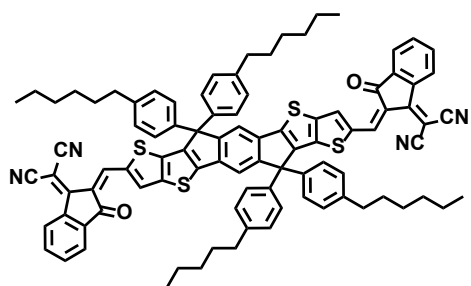
Abs(edge): ~975 nm

Purity: >99.5% (HPLC)

Ref: 10.1002/adma.201706571

ITIC

Cat.NO.: IDTT501-IC



CAS#: 1664293-06-4

HOMO: -5.48 eV

LUMO: -3.83 eV

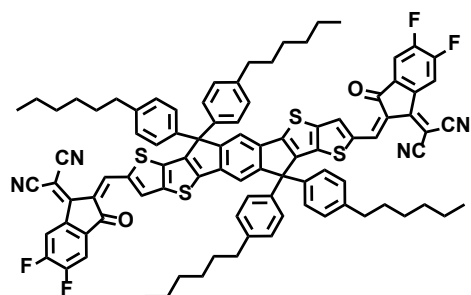
Abs(edge): ~780 nm

Purity: >99.5% (HPLC)

Ref: 10.1002/adma.201404317

IT-4F

Cat.NO.: IDTT501-oDFIC



CAS#: 2097998-59-7

HOMO: -5.66 eV

LUMO: -4.14 eV

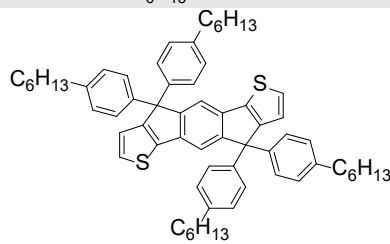
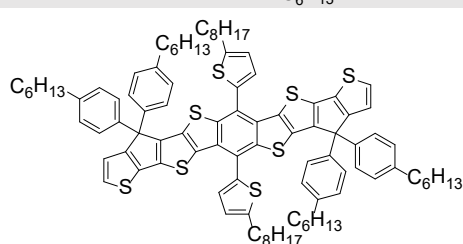
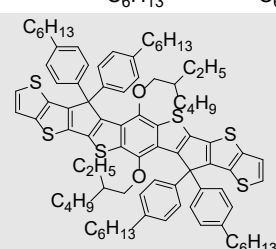
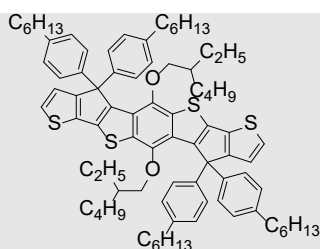
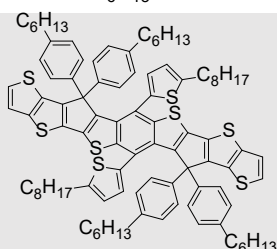
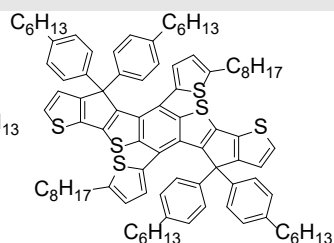
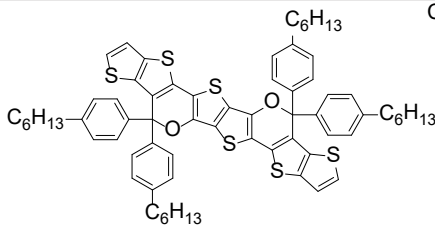
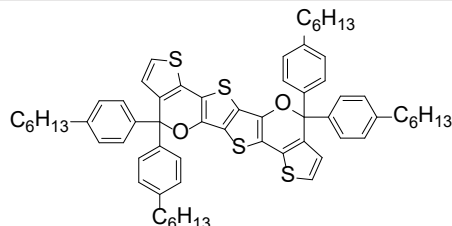
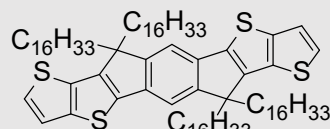
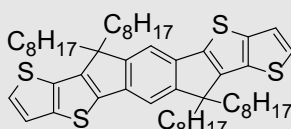
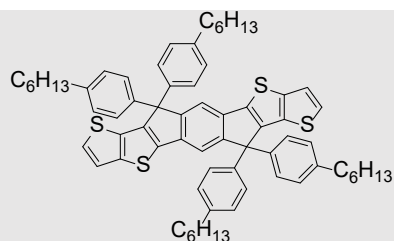
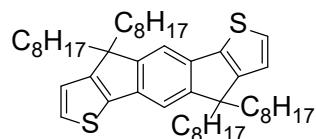
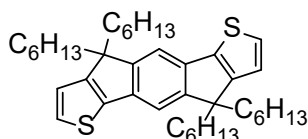
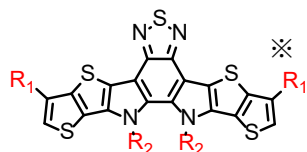
Abs(edge): ~800 nm

Purity: >99.5% (HPLC)

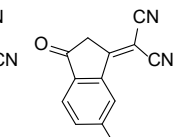
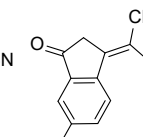
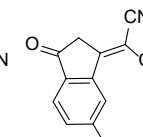
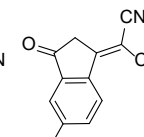
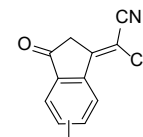
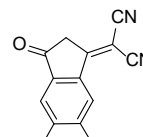
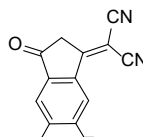
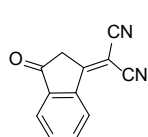
Ref: 10.1021/jacs.7b02677

禾浦光电可提供以下任意电子给受体单元组成的A-D-A结构化合物。*

Core Groups (Electron Donors)



Terminal Groups (Electron Acceptors)



※ $R_1 = H, C1, C6, C8, C9, C11, EH, BO, OC10, OC12 \dots$

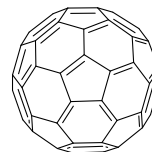
$R_2 = EH, BO, HD, OD, DT \dots$

*部分化合物由于溶解度、稳定性等问题可能导致缺货，订购前请致电详询。

HPF60

Fullerene C60

CAS#: 99685-96-8
Mol. Wt.: 720.6
Purity: > 99.9% (by HPLC)
Appearance: Black Powder

**HPF70**

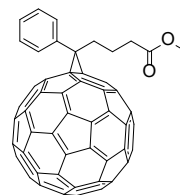
Fullerene C70

CAS#: 115383-22-7
Mol. Wt.: 840.75
Purity: > 99% (by HPLC)
Appearance: Black Powder

**HPF61**

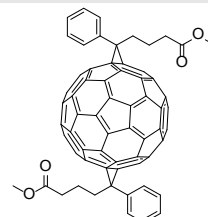
[6,6]-Phenyl-C61 butyric acid methyl ester, [60]PCBM

CAS#: 160848-22-6
Mol. Wt.: 910.88
Purity: > 99.5% (by HPLC)
Appearance: Dark Brown Powder

**HPF61B**

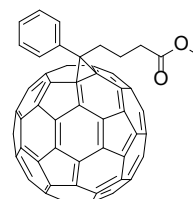
Bis-[60]PCBM

CAS#: 1048679-01-1
Mol. Wt.: 1101.1
Purity: > 99% (by HPLC)
Appearance: Black Powder

**HPF71**

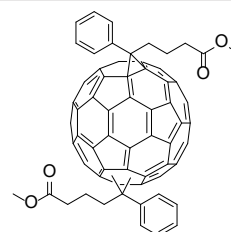
[6,6]-Phenyl-C71 butyric acid methyl ester, [70]PCBM

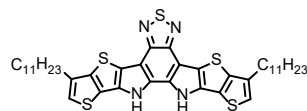
CAS#: 609771-63-3
Mol. Wt.: 1031.98
Purity: >99% (by HPLC)
Appearance: Black Powder

**HPF71B**

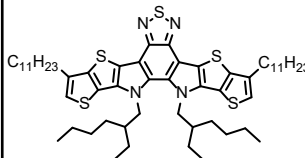
Bis-[70]PCBM

CAS#:
Mol. Wt.: 1221.21
Purity: > 99% (by HPLC)
Appearance: Black Powder

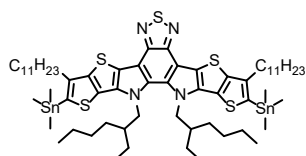


TTBT100

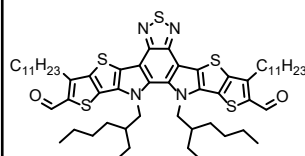
CAS#: 2304444-51-5
M. F.: C₄₀H₅₀N₄S₅
M. W.: 747.17

TTBT101

CAS#: 2304444-52-6
M. F.: C₅₆H₈₂N₄S₅
M. W.: 971.60

TTBT301

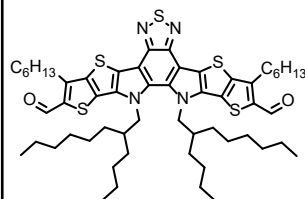
CAS#: NA
M. F.: C₆₂H₉₈N₄S₅Sn₂
M. W.: 1297.21

TTBT501

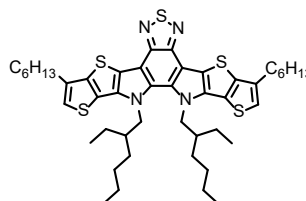
CAS#: 2304444-53-7
M. F.: C₅₈H₈₂N₄O₂S₅
M. W.: 1027.62

TTBT102

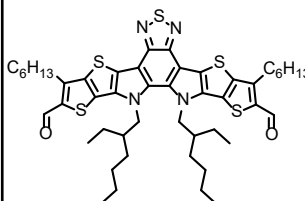
CAS#: NA
M. F.: C₅₄H₇₈N₄S₅
M. W.: 943.55

TTBT502

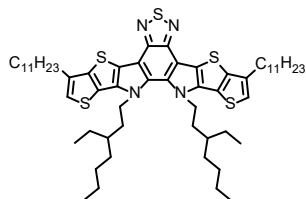
CAS#: NA
M. F.: C₅₆H₇₈N₄O₂S₅
M. W.: 999.57

TTBT103

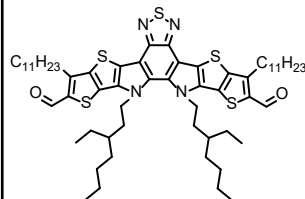
CAS#: NA
M. F.: C₄₆H₆₂N₄S₅
M. W.: 831.33

TTBT503

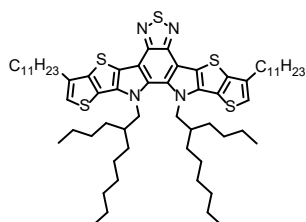
CAS#: NA
M. F.: C₄₈H₆₂N₄O₂S₅
M. W.: 887.35

TTBT104

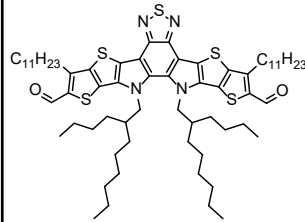
CAS#: 2653216-24-9
M. F.: C₅₈H₈₆N₄S₅
M. W.: 999.65

TTBT504 (N3CHO)

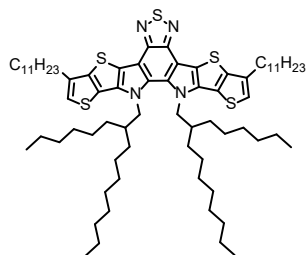
CAS#: 2653216-25-0
M. F.: C₆₀H₈₆N₄O₂S₅
M. W.: 1055.67

TTBT105

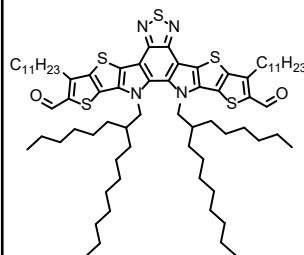
CAS#: 2376334-93-7
M. F.: C₆₄H₉₈N₄S₅
M. W.: 1083.82

TTBT505

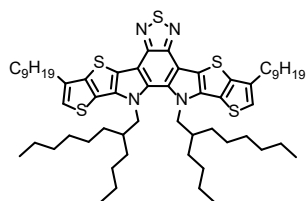
CAS#: 2389125-24-8
M. F.: C₆₆H₉₈N₄O₂S₅
M. W.: 1139.84

TTBT106

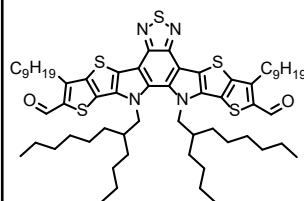
CAS#: NA
M. F.: C72H114N4S5
M. W.: 1196.03

TTBT506

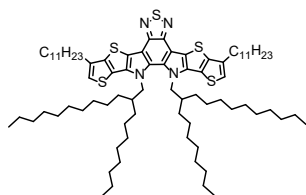
CAS#: NA
M. F.:
C74H114N4O2S5
M. W.: 1252.05

TTBT107

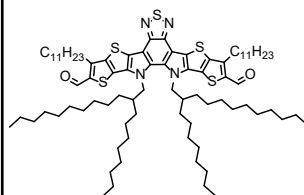
CAS#: NA
M. F.: C60H90N4S5
M. W.: 1027.71

TTBT507

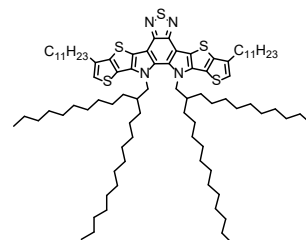
CAS#: NA
M. F.: C62H90N4O2S5
M. W.: 1083.73

TTBT108

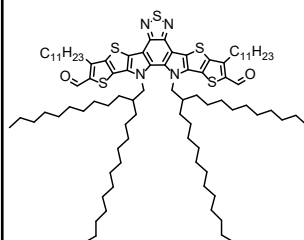
CAS#: 2410998-39-7
M. F.: C80H130N4S5
M. W.: 1308.25

TTBT508

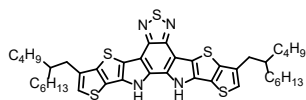
CAS#: 2599837-57-5
M. F.:
C82H130N4O2S5
M. W.: 1364.27

TTBT109

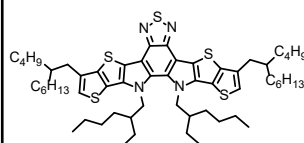
CAS#: NA
M. F.: C88H146N4S5
M. W.: 1420.46

TTBT509

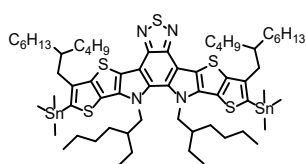
CAS#: 2410998-40-0
M. F.:
C90H146N4O2S5
M. W.: 1476.48

TTBT120

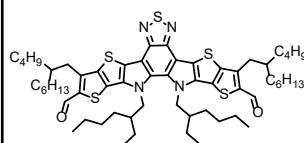
CAS#: NA
M. F.: C42H54N4S5
M. W.: 775.22

TTBT121

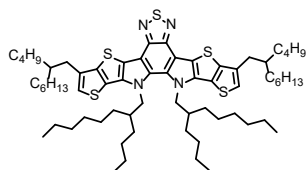
CAS#: NA
M. F.: CHN4S5
M. W.: 999.65

TTBT321

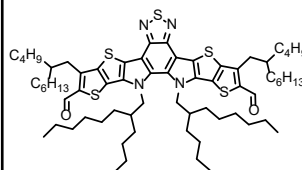
CAS#: NA
M. F.:
C64H102N4S5Sn2
M. W.: 1325.27

TTBT521

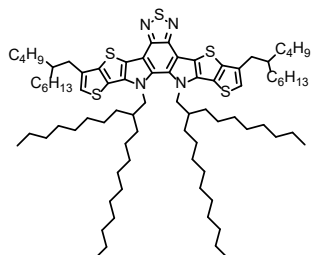
CAS#: 2758115-09-0
M. F.: C60H86N4O2S5
M. W.: 1055.67

TTBT122

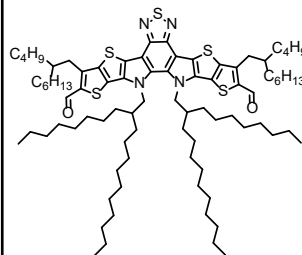
CAS#: NA
M. F.: C66H102N4S5
M. W.: 1111.87

TTBT522

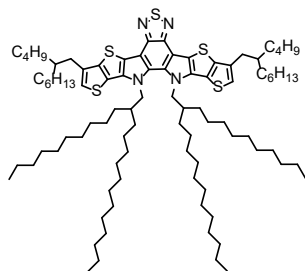
CAS#: NA
M. F.: C68H102N4O2S5
M. W.: 1167.89

TTBT124

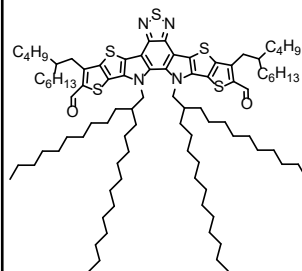
CAS#: NA
M. F.: C82H134N4S5
M. W.: 1336.30

TTBT524

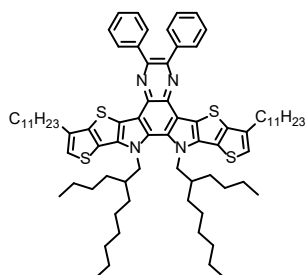
CAS#: NA
M. F.: C84H134N4O2S5
M. W.: 1392.32

TTBT125

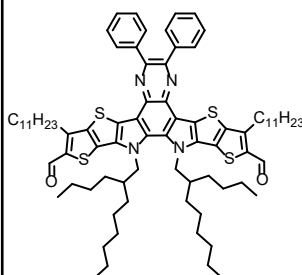
CAS#: NA
M. F.: C90H150N4S5
M. W.: 1448.52

TTBT525

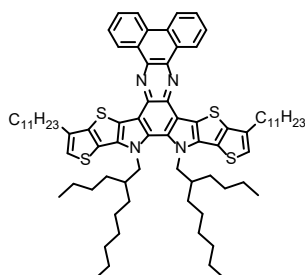
CAS#: NA
M. F.: C92H150N4O2S5
M. W.: 1504.54

TTZX102

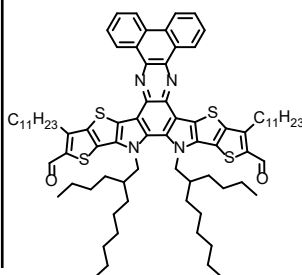
CAS#: NA
M. F.: C78H108N4S5
M. W.: 1229.99

TTZX502

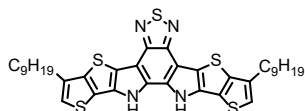
CAS#: NA
M. F.: C80H108N4O2S5
M. W.: 1286.01

TTQX102

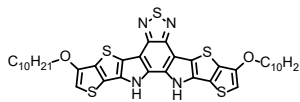
CAS#: NA
M. F.: C78H106N4S5
M. W.: 1227.97

TTQX502

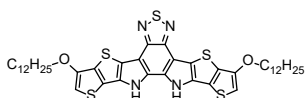
CAS#: NA
M. F.: C80H106N4O2S5
M. W.: 1283.99

TTBT130

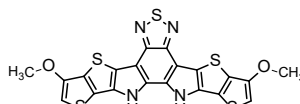
CAS#: NA
M. F.: C₃₆H₄₂N₄S₅
M. W.: 691.06

TTBT1010

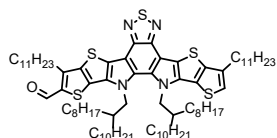
CAS#: NA
M. F.: C₃₈H₄₆N₄O₂S₅
M. W.: 751.11

TTBT1020

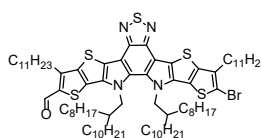
CAS#: NA
M. F.: C₄₂H₅₄N₄O₂S₅
M. W.: 807.22

TTBT1030

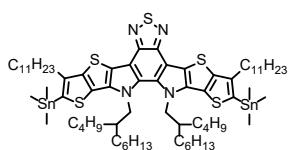
CAS#: NA
M. F.: C₂₀H₁₀N₄O₂S₅
M. W.: 498.63

TTBT5108

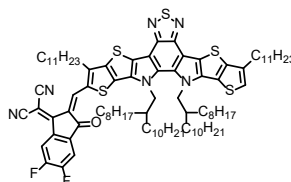
CAS#: NA
M. F.: C₈₁H₁₃₀N₄O₅S₅
M. W.: 1336.26

TTBT5208

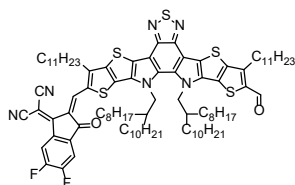
CAS#: NA
M. F.:
C₈₁H₁₂₉BrN₄O₅S₅
M. W.: 1415.15

TTBT305

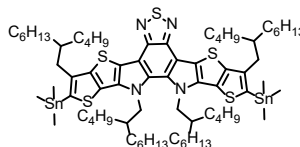
CAS#: NA
M. F.:
C₇₀H₁₁₄N₄S₅Sn₂
M. W.: 1409.43

TTBT5308

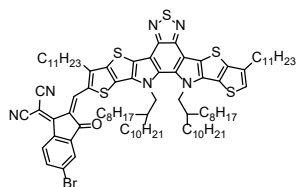
CAS#: NA
M. F.:
C₉₃H₁₃₂F₂N₆O₅S₅
M. W.: 1548.42

TTBT5408

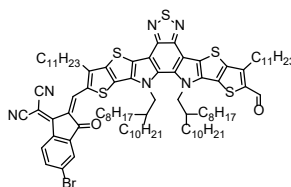
CAS#: NA
M. F.:
C₉₄H₁₃₂F₂N₆O₂S₅
M. W.: 1576.43

TTBT322

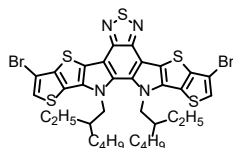
CAS#: NA
M. F.:
C₇₂H₁₁₈N₄S₅Sn₂
M. W.: 1437.48

TTBT5608

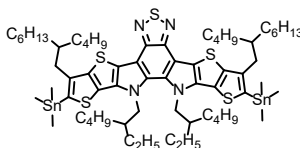
CAS#: NA
M. F.:
C₉₃H₁₃₃BrN₆O₅S₅
M. W.: 1591.33

TTBT5708

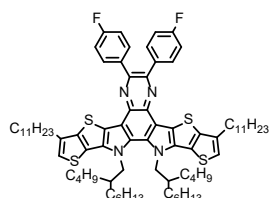
CAS#: NA
M. F.:
C₉₄H₁₃₃BrN₆O₂S₅
M. W.: 1619.34

TTBT115

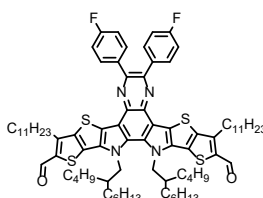
CAS#: NA
M. F.: C₃₄H₃₆Br₂N₄S₅
M. W.: 820.80

TTBT321

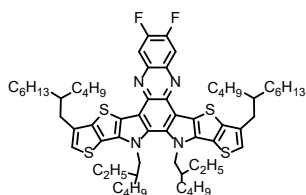
CAS#: NA
M. F.:
C₆₄H₁₀₂N₄S₅Sn₂
M. W.: 1325.27

TTZX1022

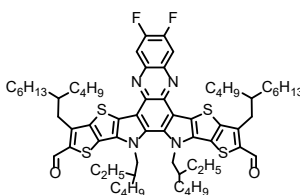
CAS#: NA
M. F.: C₇₈H₁₀₆F₂N₄S₄
M. W.: 1265.97

TTZX5022

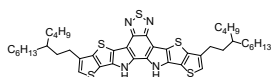
CAS#: NA
M. F.:
C₈₀H₁₀₆F₂N₄O₂S₄
M. W.: 1321.99

TTQX1021

CAS#: NA
M. F.: C₆₄H₈₈F₂N₄S₄
M. W.: 1079.67

TTQX5021

CAS#: NA
M. F.:
C₆₆H₈₈F₂N₄O₂S₄
M. W.: 1135.69

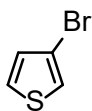
TTBT150

CAS#: NA
M. F.: C₄₄H₅₈N₄S₅
M. W.: 803.28

TTBT160

HPTh102

3-Bromothiophene



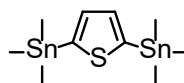
CAS#: 872-31-1

M. F.: C₄H₃BrS

M. W.: 163.04

HPTh103

2,5-Bis(triMethylstannyl)thiophene



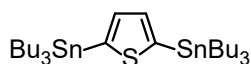
CAS#: 86134-26-1

M. F.: C₁₀H₂₀SSn₂

M. W.: 409.75

HPTh104

2,5-bis(tributylstannyl)thiophene



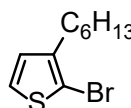
CAS#: 145483-63-2

M. F.: C₂₈H₅₆SSn₂

M. W.: 662.24

HPTh105

2-Bromo-3-hexylthiophene



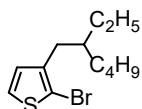
CAS#: 69249-61-2

M. F.: C₁₀H₁₅BrS

M. W.: 247.2

HPTh106

2-bromo-3-(2-ethylhexyl)thiophene



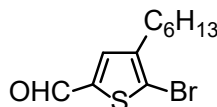
CAS#: 303734-52-3

M. F.: C₁₂H₁₉BrS

M. W.: 275.25

HPTh107

5-bromo-4-hexylthiophene-2-carbaldehyde



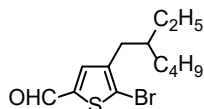
CAS#: 291535-21-2

M. F.: C₁₁H₁₅BrOS

M. W.: 275.1

HPTh108

5-bromo-4-(2-ethylhexyl)thiophene-2-carbaldehyde



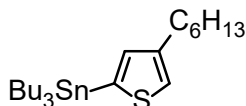
CAS#:

M. F.: C₁₃H₁₉BrOS

M. W.: 303.26

HPTh109

tributyl(4-hexylthiophen-2-yl)stannane



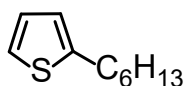
CAS#: 444579-42-4

M. F.: C₂₂H₄₂SSn

M. W.: 457.35

HPTh110

2-hexylthiophene



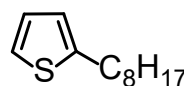
CAS#: 18794-77-9

M. F.: C₁₀H₁₆S

M. W.: 168.30

HPTh111

2-octylthiophene



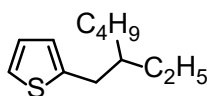
CAS#: 880-36-4

M. F.: C₁₂H₂₀S

M. W.: 196.35

HPTh112

2-(2-ethylhexyl)thiophene



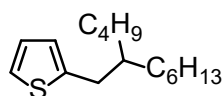
CAS#: 4891-44-5

M. F.: C₁₂H₂₀S

M. W.: 196.35

HPTh113

2-(2-butyloctyl)thiophene



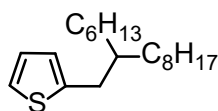
CAS#: 1271438-65-3

M. F.: C₁₆H₂₈S

M. W.: 252.46

HPTh114

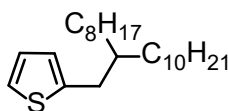
2-(2-hexyldecyl)thiophene



CAS#: 1215857-68-3
M. F.: C₂₀H₃₆S
M. W.: 308.57

HPTh115

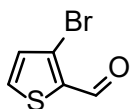
2-(2-octyldecyl)thiophene



CAS#: 929895-63-6
M. F.: C₂₄H₄₄S
M. W.: 364.68

HPTh116

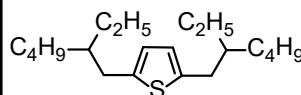
3-bromothiophene-2-carbaldehyde



CAS#: 930-96-1
M. F.: C₅H₃BrOS
M. W.: 191.05

HPTh118

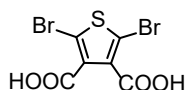
2,5-bis(2-ethylhexyl)thiophene



CAS#: 415929-75-7
M. F.: C₂₀H₃₆S
M. W.: 308.57

HPTh119

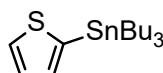
2,5-dibromothiophene-3,4-dicarboxylic acid



CAS#: 190723-12-7
M. F.: C₆H₂Br₂SO₂
M. W.: 329.95

HPTh120

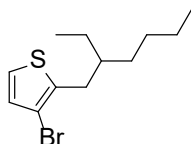
tributyl(thiophen-2-yl)stannane



CAS#: 54663-78-4
M. F.: C₁₆H₃₀SSn
M. W.: 373.18

HPTh121

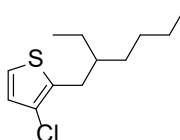
3-bromo-2-(2-ethylhexyl)thiophene



CAS#: 1514905-20-4
M. F.: C₁₂H₁₉BrS
M. W.: 275.25

HPTh122

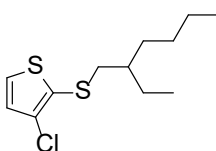
3-chloro-2-(2-ethylhexyl)thiophene



CAS#: N.A.
M. F.: C₁₂H₁₉ClS
M. W.: 230.79

HPTh123

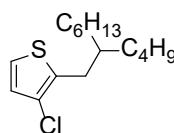
3-chloro-2-((2-ethylhexyl)thio)thiophene



CAS#: N.A.
M. F.: C₁₂H₁₉ClS₂
M. W.: 262.85

HPTh124

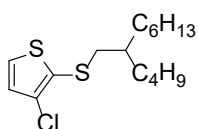
2-(2-butyldecyl)-3-chlorothiophene



CAS#: N.A.
M. F.: C₁₆H₂₇ClS
M. W.: 286.90

HPTh125

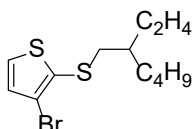
2-((2-butyldecyl)thio)-3-chlorothiophene



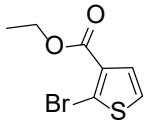
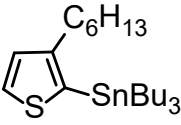
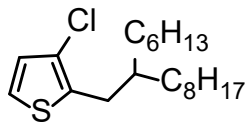
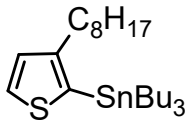
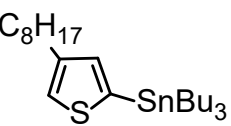
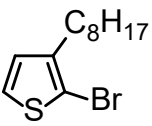
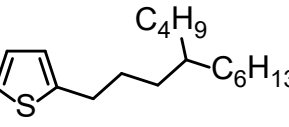
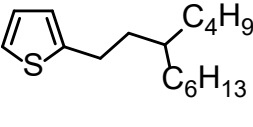
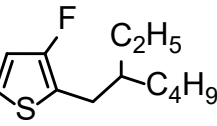
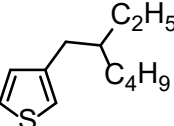
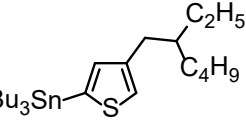
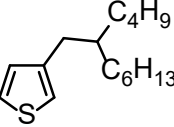
CAS#: N.A.
M. F.: C₁₆H₂₇ClS₂
M. W.: 318.96

HPTh126

2-((2-(2(3-ethyl)hexyl)thio)-3-bromothiophene

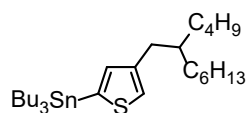


CAS#: N.A.
M. F.: C₁₂H₁₈BrS₂
M. W.: 306.3

| | |
|--|--|
| <p>HPTTh127 ethyl 2-bromothiophene-3-carboxylate</p>  <p>CAS#: 632325-50-9 M. F.: C₇H₇BrO₂S M. W.: 235.10</p> | <p>HPTTh129 tributyl(3-hexylthiophen-2-yl)stannane</p>  <p>CAS#: M. F.: C₂₂H₄₂SSn M. W.: 457.35</p> |
| <p>HPTTh130 3-chloro-2-(2-hexyldecyl)thiophene</p>  <p>CAS#: NA M. F.: C₂₀H₃₅ClS M. W.: 343.01</p> | <p>HPTTh132 tributyl(3-octylthiophen-2-yl)stannane</p>  <p>CAS#: NA M. F.: C₂₄H₄₆SSn M. W.: 485.40</p> |
| <p>HPTTh133 tributyl(4-octylthiophen-2-yl)stannane</p>  <p>CAS#: 504441-11-6 M. F.: C₂₄H₄₆SSn M. W.: 485.40</p> | <p>HPTTh135 2-bromo-3-octylthiophene</p>  <p>CAS#: 145543-83-5 M. F.: C₁₂H₁₉BrS M. W.: 275.25</p> |
| <p>HPTTh136 2-(4-butyldecyl)thiophene</p>  <p>CAS#: NA M. F.: C₁₈H₃₂S M. W.: 280.51</p> | <p>HPTTh137 2-(3-butylonyl)thiophene</p>  <p>CAS#: NA M. F.: C₁₇H₃₀S M. W.: 266.49</p> |
| <p>HPTTh138 2-(2-ethylhexyl)-3-fluorothiophene</p>  <p>CAS#: 2189704-71-8 M. F.: C₁₂H₁₉FS M. W.: 214.34</p> | <p>HPTTh139 3-(2-ethylhexyl)thiophene</p>  <p>CAS#: 125300-69-8 M. F.: C₁₂H₂₀S M. W.: 196.35</p> |
| <p>HPTTh140 tributyl(4-(2-ethylhexyl)thiophen-2-yl)stannane</p>  <p>CAS#: 886746-54-9 M. F.: C₂₄H₄₆SSn M. W.: 485.40</p> | <p>HPTTh139 3-(2-ethylhexyl)thiophene</p>  <p>CAS#: 125300-69-8 M. F.: C₁₂H₂₀S M. W.: 196.35</p> |

HPTTh142

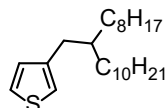
tributyl(4-(2-butyloctyl)thiophen-2-yl)stannane



CAS#: 1638802-06-8
M. F.: C28H54SSn
M. W.: 541.51

HPTTh143

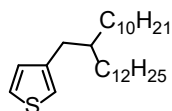
3-(2-octyldodecyl)thiophene



CAS#: 1268060-76-9
M. F.: C24H44S
M. W.: 364.68

HPTTh144

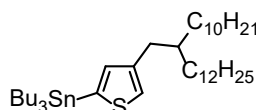
3-(2-decyltetradecyl)thiophene



CAS#: 1446414-48-7
M. F.: C28H52S
M. W.: 420.78

HPTTh145

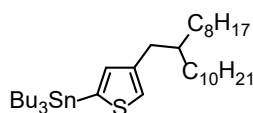
tributyl(4-(2-decyltetradecyl)thiophen-2-yl)stannane



CAS#: 1446414-48-7
M. F.: C40H78SSn
M. W.: 709.83

HPTTh146

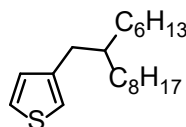
tributyl(4-(2-octyldodecyl)thiophen-2-yl)stannane



CAS#: 1268060-76-9
M. F.: C36H70SSn
M. W.: 653.73

HPTTh147

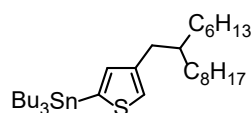
3-(2-hexyldecyl)thiophene



CAS#: 1215857-68-3
M. F.: C20H36S
M. W.: 308.56

HPTTh148

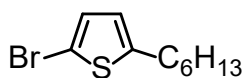
tributyl(4-(2-hexyldecyl)thiophen-2-yl)stannane



CAS#: 1215857-68-3
M. F.: C32H62SSn
M. W.: 597.61

HPTTh149

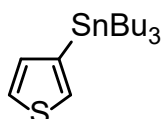
2-bromo-5-hexylthiophene



CAS#: 211737-28-9
M. F.: C10H15BrS
M. W.: 247.20

HPTTh151

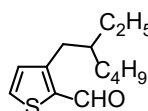
tributyl(thiophen-3-yl)stannane



CAS#: 119405-65-1
M. F.: C16H30SSn
M. W.: 373.18

HPTTh152

3-(2-ethylhexyl)thiophene-2-carbaldehyde



CAS#: NA
M. F.: C13H20OS
M. W.: 224.36

HPTh2001

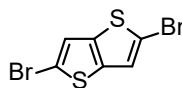
Thieno[3,2-b]thiophene



CAS#: 251-41-2
M. F.: C₆H₄S₂
M. W.: 140.23

HPTh2002

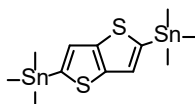
2,5-dibromothieno[3,2-b]thiophene



CAS#: 25121-87-3
M. F.: C₆H₂Br₂S₂
M. W.: 298.02

HPTh2003

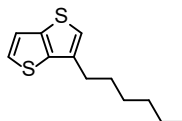
2,5-bis(trimethylstannyl)thieno[3,2-b]thiophene



CAS#: 469912-82-1
M. F.: C₁₂H₂₀S₂Sn₂
M. W.: 465.84

HPTh2004

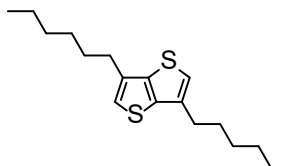
3-hexylthieno[3,2-b]thiophene



CAS#: NA
M. F.: C₁₂H₁₆S₂
M. W.: 224.39

HPTh2005

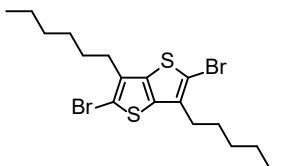
3,6-dihexylthieno[3,2-b]thiophene



CAS#:
M. F.: C₁₈H₂₈S₂
M. W.: 308.54

HPTh2006

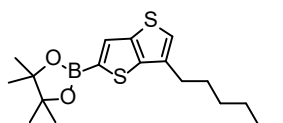
2,5-dibromo-3,6-dihexylthieno[3,2-b]thiophene



CAS#:
M. F.: C₁₈H₂₆Br₂S₂
M. W.: 466.34

HPTh2007

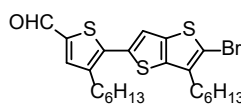
2-(6-hexylthieno[3,2-b]thiophen-2-yl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane



CAS#:
M. F.: C₁₈H₂₇BO₂S₂
M. W.: 350.35

HPTh2008

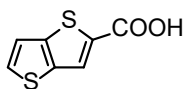
4-(5-bromo-6-hexylthieno[3,2-b]thiophen-2-yl)-5-hexylthiophene-2-carbaldehyde



CAS#:
M. F.: C₂₃H₂₉BrOS₃
M. W.: 496.06

HPTh2009

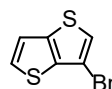
Thieno[3,2-b]thiophene-2-carboxylic acid



CAS#: 1723-27-9
M. F.: C₇H₄O₂S₂
M. W.: 184.23

HPTh2010

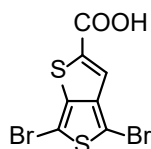
3-bromothieno[3,2-b]thiophene



CAS#: 25121-83-9
M. F.: C₆H₃BrS₂
M. W.: 219.11

HPTh2011

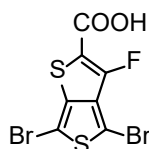
4,6-dibromothieno[2,3-c]thiophene-2-carboxylic acid



CAS#: 1024594-86-2
M. F.: C₇H₂Br₂O₂S₂
M. W.: 342.03

HPTh2012

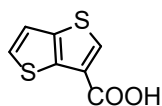
4,6-dibromo-3-fluorothieno[3,4-b]thiophene-2-carboxylic acid



CAS#: 1628427-36-0
M. F.: C₇HBr₂O₂S₂
M. W.: 360.02

HPTh2013

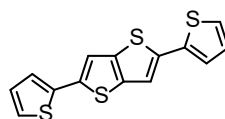
thieno[3,2-b]thiophene-3-carboxylic acid



CAS#: 1467663-02-0
M. F.: C7H4O2S2
M. W.: 184.23

HPTh2014

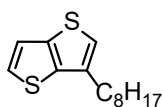
2,5-di(thiophen-2-yl)thieno[3,2-b]thiophene



CAS#: 21210-90-2
M. F.: C14H8S4
M. W.: 304.47

HPTh2015

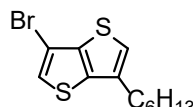
3-octylthieno[3,2-b]thiophene



CAS#:
M. F.: C14H20S2
M. W.: 252.43

HPTh2016

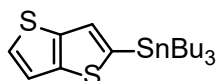
3-bromo-6-hexylthieno[3,2-b]thiophene



CAS#:
M. F.: C12H15BrS2
M. W.: 303.28

HPTh2017

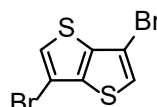
tributyl(thieno[3,2-b]thiophen-2-yl)stannane



CAS#: 160032-41-7
M. F.: C18H30S2Sn
M. W.: 429.27

HPTh2018

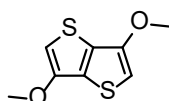
3-bromo-6-hexylthieno[3,2-b]thiophene



CAS#: 392662-65-6
M. F.: C6H2Br2S2
M. W.: 298.03

HPTh2019

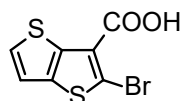
3,6-dimethoxythieno[3,2-b]thiophene



CAS#: 850233-79-3
M. F.: C8H8O2S2
M. W.: 200.27

HPTh2020

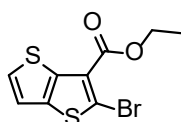
2-bromothieno[3,2-b]thiophene-3-carboxylic acid



CAS#: N.A.
M. F.: C7H3BrO2S2
M. W.: 263.12

HPTh2021

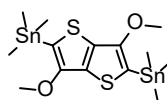
ethyl 2-bromothieno[3,2-b]thiophene-3-carboxylate



CAS#: 2055722-78-4
M. F.: C9H7BrO2S2
M. W.: 291.18

HPTh2022

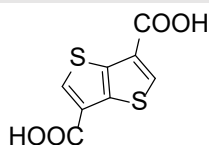
(3,6-dimethoxythieno[3,2-b]thiophene-2,5-diyl)bis(trimethylstannane)



CAS#: NA
M. F.: C14H24O2S2Sn2
M. W.: 525.88

HPTh2023

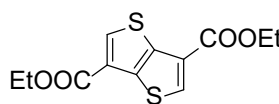
thieno[3,2-b]thiophene-3,6-dicarboxylic acid



CAS#: 1805838-30-5
M. F.: C8H4O4S2
M. W.: 228.24

HPTh2024

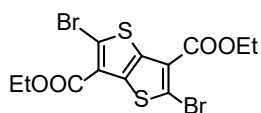
diethyl thieno[3,2-b]thiophene-3,6-dicarboxylate



CAS#: NA
M. F.: C12H12O4S2
M. W.: 284.34

HPTh2025

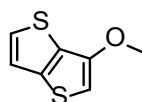
diethyl 2,5-dibromothieno[3,2-b]thiophene-3,6-dicarboxylate



CAS#: 1800376-55-9
M. F.: C₁₂H₁₀Br₂O₄S₂
M. W.: 442.14

HPTh2026

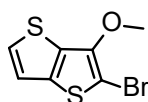
3-methoxythieno[3,2-b]thiophene



CAS#: 2378628-49-8
M. F.: C₇H₆S₂
M. W.: 170.24

HPTh2027

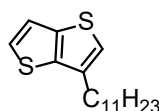
2-bromo-3-methoxythieno[3,2-b]thiophene



CAS#:
M. F.: C₇H₅BrOS₂
M. W.: 249.14

HPTh2028

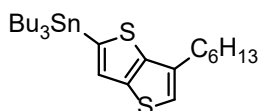
3-undecylthieno[3,2-b]thiophene



CAS#: 950223-97-9
M. F.: C₁₇H₂₆S₂
M. W.: 294.52

HPTh2030

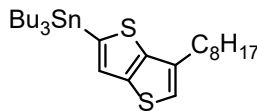
Tributyl(3-hexylthieno[3,2-b]thiophen-5-yl)stannane



CAS#:
M. F.: C₂₄H₄₂S₂Sn
M. W.: 513.43

HPTh2031

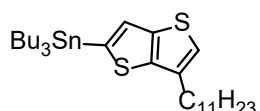
Tributyl(3-octylthieno[3,2-b]thiophen-5-yl)stannane



CAS#: 1623751-72-3
M. F.: C₂₆H₄₆S₂Sn
M. W.: 541.48

HPTh2032

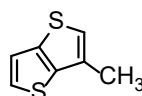
Tributyl(6-undecylthieno[3,2-b]thiophen-2-yl)stannane



CAS#: 2304444-54-8
M. F.: C₂₉H₅₂S₂Sn
M. W.: 583.57

HPTh2033

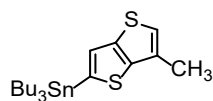
3-methylthieno[3,2-b]thiophene



CAS#:
M. F.: C₇H₆S₂
M. W.: 154.25

HPTh2034

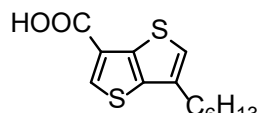
tributyl(6-methylthieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₁₉H₃₂S₂Sn
M. W.: 444.30

HPTh2035

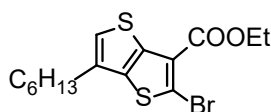
6-hexylthieno[3,2-b]thiophene-3-carboxylic acid



CAS#:
M. F.: C₁₃H₁₆O₂S₂
M. W.: 268.39

HPTh2037

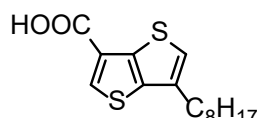
ethyl 2-bromo-6-hexylthieno[3,2-b]thiophene-3-carboxylate



CAS#:
M. F.: C₁₅H₁₉BrO₂S₂
M. W.: 375.34

HPTh2038

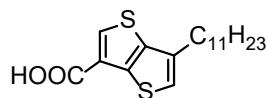
6-octylthieno[3,2-b]thiophene-3-carboxylic acid



CAS#:
M. F.: C₁₅H₂₀O₂S₂
M. W.: 296.44

HPTh2039

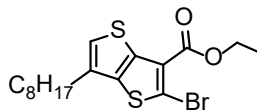
6-undecylthieno[3,2-b]thiophene-3-carboxylic acid



CAS#:
M. F.: C₁₈H₂₆O₂S₂
M. W.: 338.52

HPTh2040

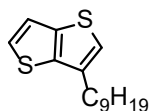
ethyl 2-bromo-6-octylthieno[3,2-b]thiophene-3-carboxylate



CAS#:
M. F.: C₁₇H₂₃BrO₂S₂
M. W.: 403.39

HPTh2041

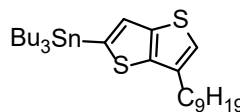
3-nonylthieno[3,2-b]thiophene



CAS#: 763114-94-9
M. F.: C₁₅H₂₂S₂
M. W.: 266.46

HPTh2042

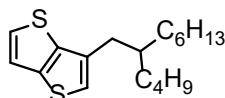
Tributyl(6-nonylthieno[3,2-b]thiophen-2-yl)stannane



CAS#: 763115-04-4
M. F.: C₂₇H₄₈S₂Sn
M. W.: 555.51

HPTh2043

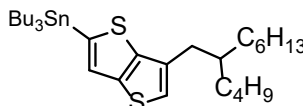
3-(2-butylloctyl)thieno[3,2-b]thiophen



CAS#:
M. F.: C₁₈H₂₈S₂
M. W.: 308.54

HPTh2044

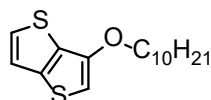
tributyl(6-(2-butylloctyl)thieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₃₀H₅₄S₂Sn
M. W.: 597.59

HPTh2045

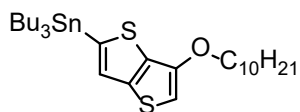
3-(decyloxy)thieno[3,2-b]thiophene



CAS#:
M. F.: C₁₆H₂₄OS₂
M. W.: 296.49

HPTh2046

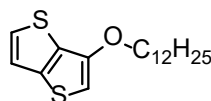
tributyl(6-(decyloxy)thieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₂₈H₅₀OS₂Sn
M. W.: 585.54

HPTh2047

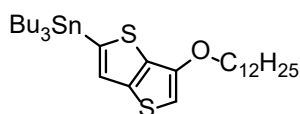
3-(dodecyloxy)thieno[3,2-b]thiophene



CAS#:
M. F.: C₁₈H₂₈OS₂
M. W.: 324.54

HPTh2048

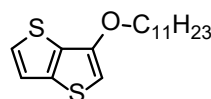
tributyl(6-(dodecyloxy)thieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₃₀H₅₄OS₂Sn
M. W.: 613.59

HPTh2049

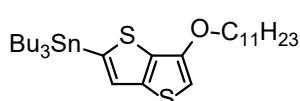
3-(undecyloxy)thieno[3,2-b]thiophene



CAS#:
M. F.: C₁₇H₂₆OS₂
M. W.: 310.51

HPTh2050

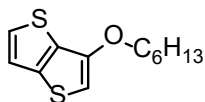
tributyl(6-(undecyloxy)thieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₂₉H₅₂OS₂Sn
M. W.: 599.56

HPTh2051

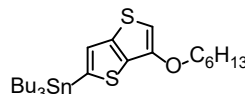
3-(hexyloxy)thieno[3,2-b]thiophene



CAS#:
M. F.: C₁₂H₁₆OS₂
M. W.: 240.38

HPTh2052

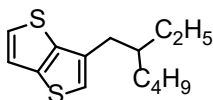
tributyl(6-(hexyloxy)thieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₂₄H₄₂OS₂Sn
M. W.: 529.43

HPTh2053

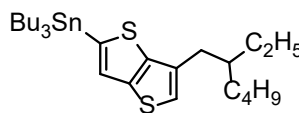
3-(2-ethylhexyl)thieno[3,2-b]thiophene



CAS#: 2653216-27-2
M. F.: C₁₄H₂₀S₂
M. W.: 252.43

HPTh2054

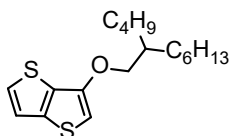
tributyl(6-(2-ethylhexyl)thieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₂₆H₄₆S₂Sn
M. W.: 541.48

HPTh2055

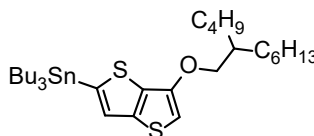
3-((2-butyloctyl)oxy)thieno[3,2-b]thiophene



CAS#:
M. F.: C₁₈H₂₈OS₂
M. W.: 324.54

HPTh2056

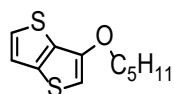
tributyl(6-((2-butyloctyl)oxy)thieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₃₀H₅₄OS₂Sn
M. W.: 613.59

HPTh2057

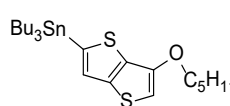
3-(pentyloxy)thieno[3,2-b]thiophene



CAS#:
M. F.: C₁₁H₁₄OS₂
M. W.: 226.35

HPTh2058

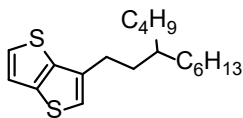
tributyl(6-(pentyloxy)thieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₂₃H₄₀OS₂Sn
M. W.: 515.40

HPTh2059

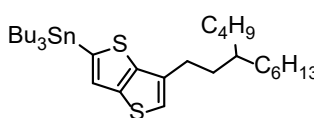
3-(3-butylnonyl)thieno[3,2-b]thiophene



CAS#:
M. F.: C₁₉H₃₀S₂
M. W.: 322.57

HPTh2060

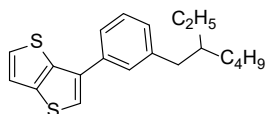
tributyl(6-(3-butylnonyl)thieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₃₁H₅₆S₂Sn
M. W.: 611.62

HPTh2064

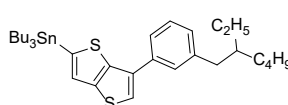
3-(3-(2-ethylhexyl)phenyl)thieno[3,2-b]thiophene



CAS#:
M. F.: C₂₀H₂₄S₂
M. W.: 328.53

HPTh2065

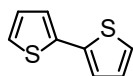
tributyl(6-(3-(2-ethylhexyl)phenyl)thieno[3,2-b]thiophen-2-yl)stannane



CAS#:
M. F.: C₃₂H₅₀S₂Sn
M. W.: 617.58

HPTh2101

2,2'-bithiophene



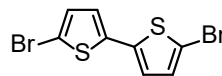
CAS#: 492-97-7

M. F.: C₈H₆S₂

M. W.: 166.26

HPTh2102

5,5'-dibromo-2,2'-bithiophene



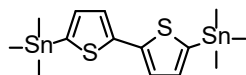
CAS#: 4805-22-5

M. F.: C₈H₄Br₂S₂

M. W.: 324.06

HPTh2103

5,5'-bis(trimethylstannyl)-2,2'-bithiophene



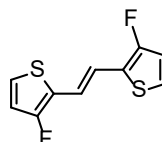
CAS#: 143367-56-0

M. F.: C₁₄H₂₂S₂Sn₂

M. W.: 491.87

HPTh2104

(E)-1,2-bis(3-fluorothiophen-2-yl)ethene



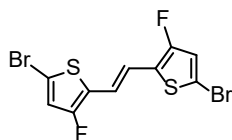
CAS#: N.A.

M. F.: C₁₀H₆F₂S₂

M. W.: 228.27

HPTh2105

(E)-1,2-bis(5-bromo-3-fluorothiophen-2-yl)ethene



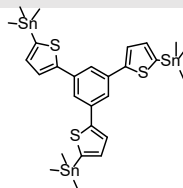
CAS#: N.A.

M. F.: C₁₀H₄Br₂F₂S₂

M. W.: 386.07

TTHB002

1,3,5-tris(5-(trimethylstannyl)thiophen-2-yl)benzene



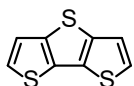
CAS#:

M. F.: C₂₇H₃₆S₃Sn₃

M. W.: 812.90

HPTh3001

dithieno[3,2-b:2',3'-d]thiophene



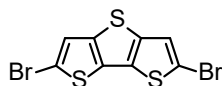
CAS#: 3593-75-7

M. F.: C₈H₄S₃

M. W.: 196.31

HPTh3002

2,6-dibromodithieno[3,2-b:2',3'-d]thiophene



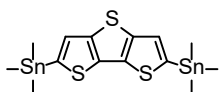
CAS#: 67061-69-2

M. F.: C₈H₂Br₂S₃

M. W.: 354.10

HPTh3003

2,5-Di(triMethyltin)thieno[3,2-b]thiophene



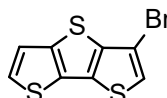
CAS#: 502764-57-0

M. F.: C₁₄H₂₀S₃Sn₂

M. W.: 521.92

HPTh3005

3-bromodithieno[3,2-b:2',3'-d]thiophene



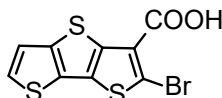
CAS#:

M. F.: C₈H₃BrS₃

M. W.: 240.31

HPTh3006

dithieno[3,2-b:2',3'-d]thiophene-3-carboxylic acid



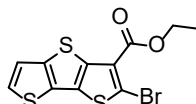
CAS#:

M. F.: C₉H₄O₂S₃

M. W.: 170.24

HPTh3008

ethyl 2-bromo-6-hexylthieno[3,2-b]thiophene-3-carboxylate



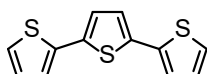
CAS#:

M. F.: C₁₁H₇BrO₂S₃

M. W.: 374.26

HPTh3101

2,2':5',2''-terthiophene



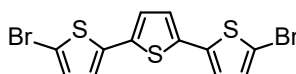
CAS#: 1081-34-1

M. F.: C₁₂H₈S₃

M. W.: 248.39

HPTh3102

5,5''-dibromo-2,2':5',2''-terthiophene



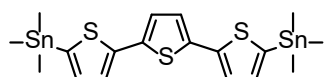
CAS#: 98057-08-0

M. F.: C₁₂H₆Br₂S₃

M. W.: 406.19

HPTh3103

5,5''-bis(trimethylstannyl)-2,2':5',2''-terthiophene



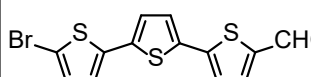
CAS#: 178931-63-0

M. F.: C₁₈H₂₄S₃Sn₂

M. W.: 574.00

HPTh3104

5''-bromo-[2,2':5',2''-terthiophene]-5-carbaldehyde



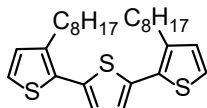
CAS#: 161726-69-8

M. F.: C₁₃H₇BrOS₃

M. W.: 355.29

HPTh3105

3,3''-dioctyl-2,2':5',2''-terthiophene



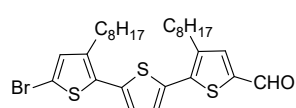
CAS#: N.A.

M. F.: C₂₈H₄₀S₃

M. W.: 472.81

HPTh3106

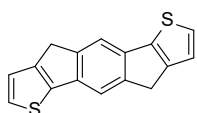
5''-bromo-3,3''-dioctyl-[2,2':5',2''-terthiophene]-5-carbaldehyde



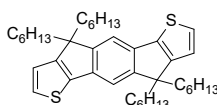
CAS#: 1342311-48-1

M. F.: C₂₉H₃₉BrOS₃

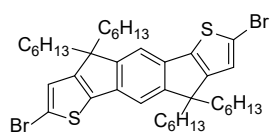
M. W.: 579.71

IDT100

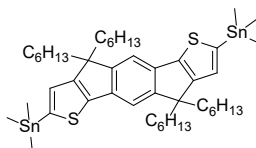
CAS#: 1209012-31-6
M. F.: C₁₆H₁₀S₂
M. W.: 266.38

IDT101

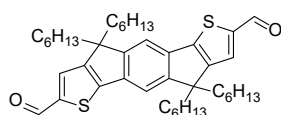
CAS#: 1509939-03-0
M. F.: C₄₀H₅₈S₂
M. W.: 603.02

IDT201

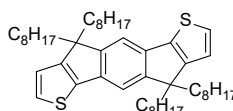
CAS#: N.A.
M. F.: C₄₀H₅₆Br₂S₂
M. W.: 760.82

IDT301

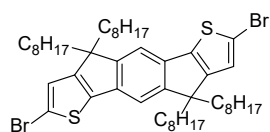
CAS#: N.A.
M. F.: C₄₆H₇₄S₂Sn₂
M. W.: 928.64

IDT501

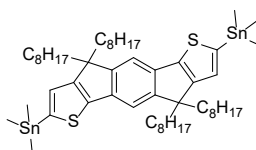
CAS#: 1883441-93-7
M. F.: C₄₂H₅₈S₂O₂
M. W.: 659.04

IDT102

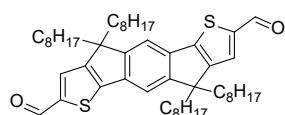
CAS#: 1209012-32-7
M. F.: C₄₈H₇₄S₂
M. W.: 715.24

IDT202

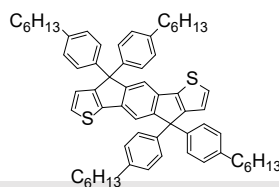
CAS#: 1209012-33-8
M. F.: C₄₈H₇₂Br₂S₂
M. W.: 873.03

IDT302

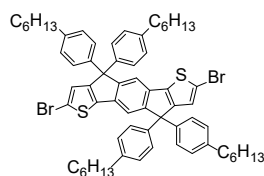
CAS#: N.A.
M. F.: C₅₄H₉₀S₂Sn₂
M. W.: 1040.85

IDT502

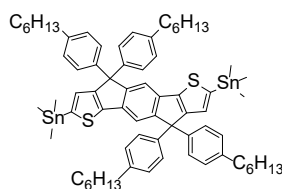
CAS#: 2206677-82-7
M. F.: C₅₀H₇₄O₂S₂
M. W.: 771.26

IDT121

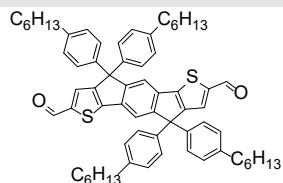
CAS#: 1049034-67-4
M. F.: C₆₄H₇₄S₂
M. W.: 907.42

IDT221

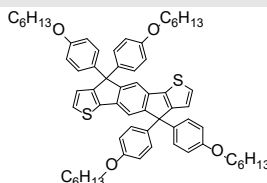
CAS#: N.A.
M. F.: C₆₄H₇₂Br₂S₂
M. W.: 1065.21

IDT321

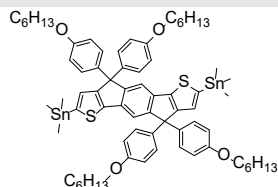
CAS#: 1252555-61-5
M. F.: C₇₀H₉₀S₂Sn₂
M. W.: 1233.03

IDT521

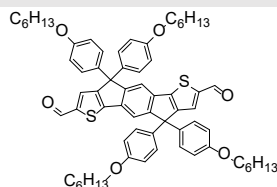
CAS#: 1884694-93-2
M. F.: C66H74O2S2
M. W.: 963.44

IDT131

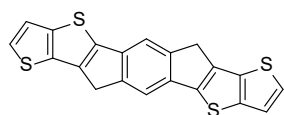
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M. F.: C64H74O4S2
M. W.: 971.41

IDT331

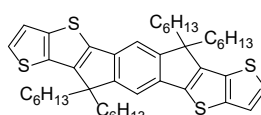
CAS#: NA
M. F.: C70H90O4S2Sn2
M. W.: 1297.03

IDT531

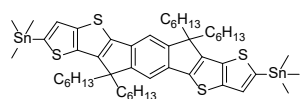
CAS#: NA
M. F.: C66H74O6S2
M. W.: 1027.43

IDTT100

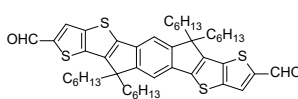
CAS#: NA
M. F.: C20H10S4
M. W.: 378.54

IDTT101

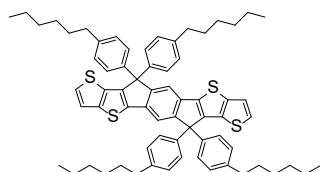
CAS#: NA
M. F.: C44H58S4
M. W.: 715.19

IDTT301

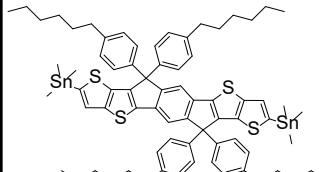
CAS#: NA
M. F.: 1040.80
M. W.: C50H74S4Sn2

IDTT501

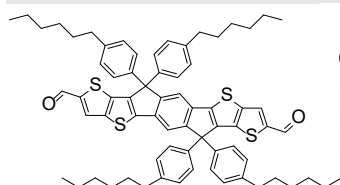
CAS#: NA
M. F.: C46H58O2S4
M. W.: 771.21

IDTT121

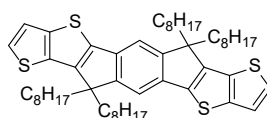
CAS#: NA
M. F.: C68H74S4
M. W.: 1019.58

IDTT321

CAS#: 1420071-65-3
M. F.: C73H88S4Sn2
M. W.: 1331.17

IDTT521

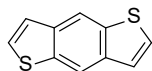
CAS#: 1878125-76-8
M. F.: C70H74O2S4
M. W.: 1075.60

IDTT102

CAS#: NA
M. F.: C52H74S4
M. W.: 827.40

HPBDT001

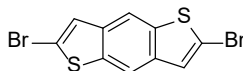
benzo[1,2-b:4,5-b']dithiophene



CAS#: 267-65-2
M. F.: C₁₀H₆S₂
M. W.: 190.28

HPBDT002

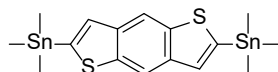
2,6-dibromobenzo[1,2-b:4,5-b']dithiophene



CAS#: 909280-97-3
M. F.: C₁₀H₄Br₂S₂
M. W.: 348.08

HPBDT003

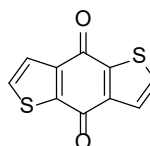
2,6-bis(trimethylstannyl)benzo[1,2-b:4,5-b']dithiophene



CAS#: 1242077-07-1
M. F.: C₁₆H₂₂S₂Sn₂
M. W.: 515.90

HPBDT004

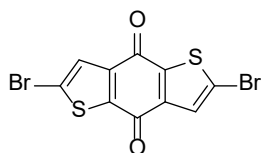
benzo[1,2-b:4,5-b']dithiophene-4,8-dione



CAS#: 32281-36-0
M. F.: C₁₀H₄O₂S₂
M. W.: 220.27

HPBDT005

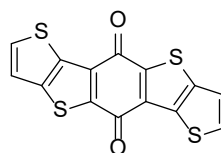
2,6-dibromobenzo[1,2-b:4,5-b']dithiophene-4,8-dione



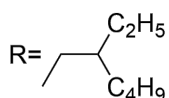
CAS#: 196491-93-7
M. F.: C₁₀H₂Br₂O₂S₂
M. W.: 378.06

HPBDT006

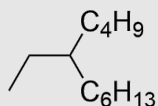
Dithieno[2,3-d:2',3'-d']benzo[1,2-b:4,5-b']dithiophene-5,10-dione



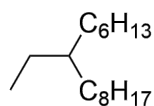
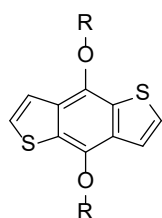
CAS#: 1446476-79-4
M. F.: C₁₄H₄O₂S₄
M. W.: 332.44

4,8-bis((2-**R**)oxy)benzo[1,2-b:4,5-b']dithiophene series**HPBDT101**

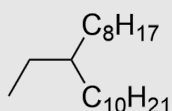
CAS#: 1160823-77-7
M. F.: C₂₆H₃₈O₂S₂
M. W.: 446.71

**HPBDT102**

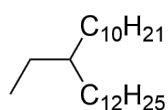
CAS#: 1321590-78-6
M. F.: C₃₄H₅₄O₂S₂
M. W.: 558.92

**HPBDT103**

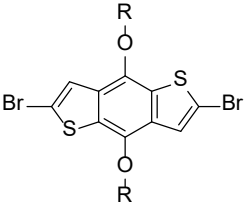
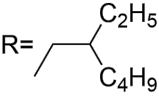
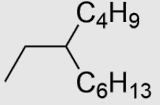
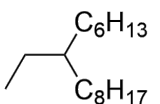
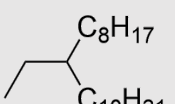
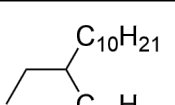
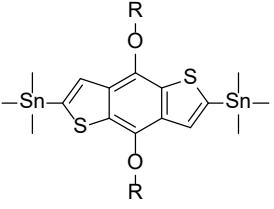
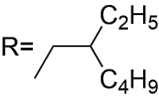
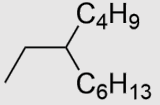
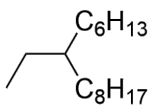
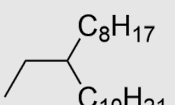
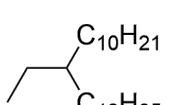
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M. F.: C₄₂H₇₀O₂S₂
M. W.: 671.13

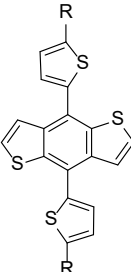
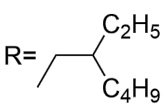
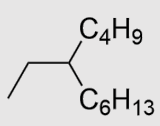
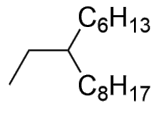
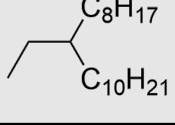
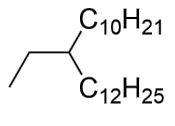
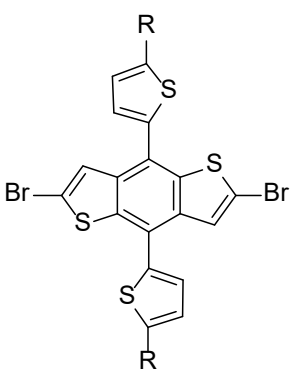
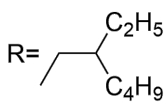
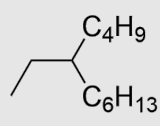
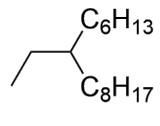
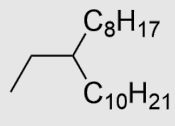
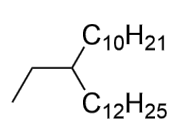
**HPBDT104**

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M. F.: C₅₀H₈₆O₂S₂
M. W.: 783.35

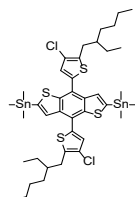
**HPBDT105**

CAS#: 58H10202S2
M. F.: C₅₈H₁₀₂O₂S₂
M. W.: 895.56

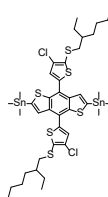
| 2,6-dibromo-4,8-bis((2- R)oxy)benzo[1,2-b:4,5-b']dithiophene | | | |
|---|---|-----------------|---|
|  |  | HPBDT201 | CAS#: 1226782-13-3 M. F.: C ₂₆ H ₃₆ Br ₂ O ₂ S ₂ M. W.: 604.50 |
| |  | HPBDT202 | CAS#: 1336893-15-2 M. F.: C ₃₄ H ₅₂ Br ₂ O ₂ S ₂ M. W.: 716.71 |
| |  | HPBDT203 | CAS#: M. F.: C ₄₂ H ₆₈ Br ₂ O ₂ S ₂ M. W.: 828.93 |
| |  | HPBDT204 | CAS#: M. F.: C ₅₀ H ₈₄ Br ₂ O ₂ S ₂ M. W.: 941.14 |
| |  | HPBDT205 | CAS#: M. F.: C ₅₈ H ₁₀₀ Br ₂ O ₂ S ₂ M. W.: 1053.35 |
| (4,8-bis((2- R)oxy)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) | | | |
|  |  | HPBDT301 | CAS#: 1160823-78-8 M. F.: M. W.: |
| |  | HPBDT302 | CAS#: 1271439-08-7 M. F.: C ₄₀ H ₇₀ O ₂ S ₂ Sn ₂ M. W.: 884.53 |
| |  | HPBDT303 | CAS#: M. F.: C ₄₈ H ₈₆ O ₂ S ₂ Sn ₂ M. W.: 996.75 |
| |  | HPBDT304 | CAS#: 1320201-22-6 M. F.: C ₅₆ H ₁₀₂ O ₂ S ₂ Sn ₂ M. W.: 1108.96 |
| |  | HPBDT305 | CAS#: M. F.: C ₆₄ H ₁₁₈ O ₂ S ₂ Sn ₂ M. W.: 1221.17 |

| 4,8-bis(5-(2- R)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene | | | |
|--|---|-----------------|---|
|  |  | HPBDT111 | CAS#: 1352641-35-3 M. F.: C ₃₄ H ₄₂ S ₄ M. W.: 578.96 |
| |  | HPBDT112 | CAS#: 1443120-32-8 M. F.: C ₄₂ H ₅₈ S ₄ M. W.: 691.17 |
| |  | HPBDT113 | CAS#: M. F.: C ₅₀ H ₇₄ S ₄ M. W.: 803.38 |
| |  | HPBDT114 | CAS#: M. F.: C ₅₈ H ₉₀ S ₄ M. W.: 915.60 |
| |  | HPBDT115 | CAS#: M. F.: C ₆₆ H ₁₀₆ S ₄ M. W.: 1027.81 |
| 2,6-dibromo-4,8-bis(5-(2- R)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene | | | |
|  |  | HPBDT211 | CAS#: M. F.: C ₃₄ H ₄₀ Br ₂ S ₄ M. W.: 736.75 |
| |  | HPBDT212 | CAS#: M. F.: M. W.: |
| |  | HPBDT213 | CAS#: M. F.: C ₅₀ H ₇₂ Br ₂ S ₄ M. W.: 961.17 |
| |  | HPBDT214 | CAS#: M. F.: C ₅₈ H ₈₈ Br ₂ S ₄ M. W.: 1073.39 |
| |  | HPBDT215 | CAS#: M. F.: C ₆₆ H ₁₀₄ Br ₂ S ₄ M. W.: 1185.60 |

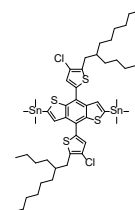
| (4,8-bis(5-(2- R)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(trimethylstannane) | | | |
|--|--|-----------------|---|
| | | HPBDT311 | CAS#: 1352642-37-5 M. F.: C40H58S4Sn2 M. W.: 904.57 |
| | | HPBDT312 | CAS#: M. F.: C48H74S4Sn2 M. W.: 1016.78 |
| | | HPBDT313 | CAS#: M. F.: C56H90S4Sn2 M. W.: 1128.99 |
| | | HPBDT314 | CAS#: M. F.: C64H106S4Sn2 M. W.: 124.21 |
| | | HPBDT315 | CAS#: M. F.: C72H122S4Sn2 M. W.: 1353.42 |
| 2,2'-(4,8-bis(5-(2- R)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl)bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolane) | | | |
| | | HPBDT411 | CAS#: M. F.: C46H64B2O4S4 M. W.: 830.88 |
| | | HPBDT412 | CAS#: M. F.: C54H80B2O4S4 M. W.: 943.09 |
| | | HPBDT413 | CAS#: M. F.: C62H96B2O4S4 M. W.: 1055.31 |
| | | HPBDT414 | CAS#: M. F.: C70H112B2O4S4 M. W.: 1167.52 |
| | | HPBDT415 | CAS#: M. F.: C78H128B2O4S4 M. W.: 1279.73 |

BDT3131

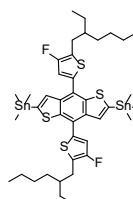
CAS#:
M. F.: C40H56Cl2S4Sn2
M. W.: 973.45

BDT3151

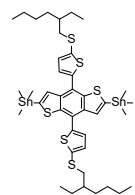
CAS#:
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M. W.: 1037.57

BDT3132

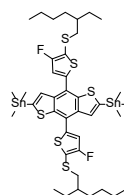
CAS#:
M. F.: C48H72Cl2S4Sn2
M. W.: 1085.66

BDT3121

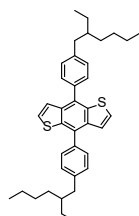
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M. W.: 940.54

BDT3111

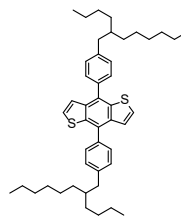
CAS#:
M. F.: C40H58S6Sn2
M. W.: 968.68

BDT3141

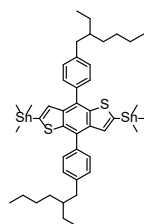
CAS#:
M. F.: C40H56F2S6Sn2
M. W.: 1004.66

BDT121

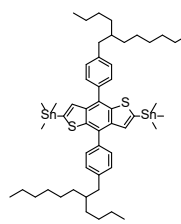
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M. W.: 566.91

BDT122

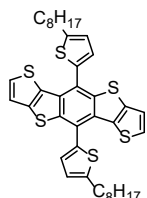
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BDT321

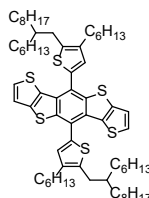
CAS#:
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M. W.: 892.52

BDT322

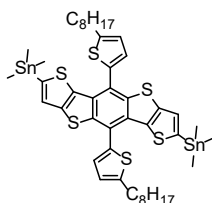
CAS#:
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M. W.: 1004.74

DTBDT116

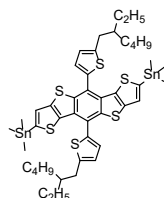
CAS#:
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M. W.: 691.11

DTBDT117

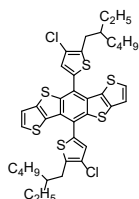
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M. W.: 10853.87

DTBDT316

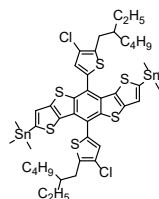
CAS#:
M. F.: C44H60S6Sn2
M. W.: 108.11

DTBDT311

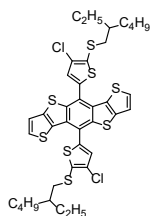
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M. W.: 1016.73

DTBDT1131

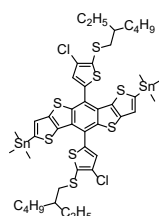
CAS#:
M. F.: C38H40Cl2S6
M. W.: 760

DTBDT3131

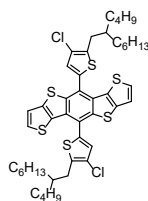
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M. W.: 1085.61

DTBDT1151

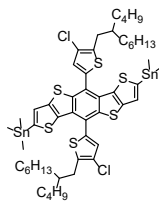
CAS#:
M. F.: C38H40Cl2S8
M. W.: 824.12

DTBDT3151

CAS#:
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M. W.: 1149.73

DTBDT1132

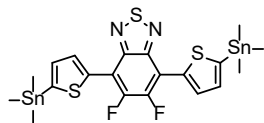
CAS#:
M. F.: C46H56Cl2S6
M. W.: 872.21

DTBDT3132

CAS#:
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M. W.: 1197.83

HPBT013

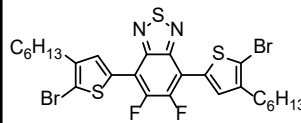
5,6-difluoro-4,7-bis(5-(trimethylstannyl)thiophen-2-yl)benzo[c][1,2,5]thiadiazole



CAS#: 1421762-30-2
 M. F.: C₂₀H₂₂F₂N₂S₃Sn₂
 M. W.: 662.01

HPBT014

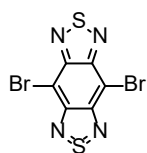
4,7-bis(5-bromo-4-hexylthiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole



CAS#: 1450590-76-7
 M. F.: C₂₆H₂₈Br₂F₂N₂S₃
 M. W.: 662.51

HPBT015

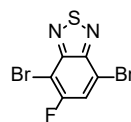
4,7-dibromo-5-fluorobenzo[1,2-c:4,5-c']bis[[1,2,5]thiadiazole]



CAS#: 165617-59-4
 M. F.: C₆Br₂N₄S₂
 M. W.: 352.03

HPBT016

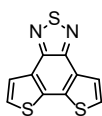
4,7-dibromo-5-fluorobenzo[c][1,2,5]thiadiazole



CAS#: 1347736-74-6
 M. F.: C₆HBr₂FN₂S
 M. W.: 311.96

DTBT100

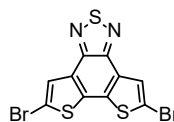
dithieno[3',2':3,4;2'',3''':5,6]benzo[1,2-c][1,2,5]thiadiazole



CAS#: 1256138-50-7
 M. F.: C₁₀H₄N₂S₃
 M. W.: 248.34

DTBT200

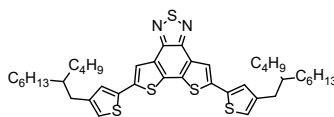
5,8-dibromodithieno[3',2':3,4;2'',3''':5,6]benzo[1,2-c][1,2,5]thiadiazole



CAS#: 1415761-37-3
 M. F.: C₁₀H₂Br₂N₂S₃
 M. W.: 406.13

DTBT122

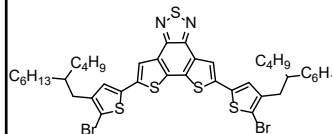
5,8-bis(4-(2-butyl)octyl)thiophen-2-yl)dithieno[3',2':3,4;2'',3''':5,6]benzo[1,2-c][1,2,5]thiadiazole



CAS#:
 M. F.: C₄₂H₅₆N₂S₅
 M. W.: 749.22

DTBT222

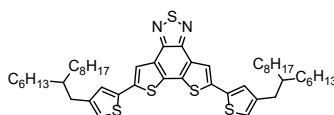
5,8-bis(5-bromo-4-(2-butyl)octyl)thiophen-2-yl)dithieno[3',2':3,4;2'',3''':5,6]benzo[1,2-c][1,2,5]thiadiazole



CAS#: 2433725-51-8
 M. F.: C₄₂H₅₄Br₂N₂S₅
 M. W.: 907.02

DTBT123

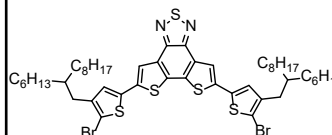
5,8-bis(4-(2-hexyldecyl)thiophen-2-yl)dithieno[3',2':3,4;2'',3''':5,6]benzo[1,2-c][1,2,5]thiadiazole



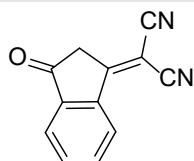
CAS#:
 M. F.: C₅₀H₇₂N₂S₅
 M. W.: 907.02

DTBT223

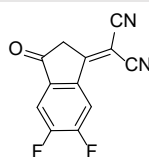
5,8-bis(5-bromo-4-(2-hexyldecyl)thiophen-2-yl)dithieno[3',2':3,4;2'',3''':5,6]benzo[1,2-c][1,2,5]thiadiazole



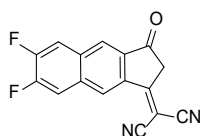
CAS#:
 M. F.: C₅₀H₇₀Br₂N₂S₅
 M. W.: 1019.23

IC001

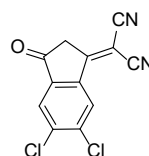
CAS#: 1080-74-6
M. F.: C₁₂H₆N₂O
M. W.: 194.19

IC002 (oDFIC)

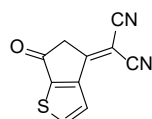
CAS#: 2083617-82-5
M. F.: C₁₂H₄F₂N₂O
M. W.: 230.17

NIC002 (oDFNIC)

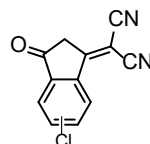
CAS#: 2558206-70-3
M. F.: C₁₂H₄F₂N₂O
M. W.: 230.17

IC003 (ODCIC)

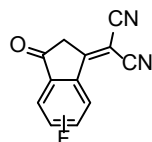
CAS#: 2197167-50-1
M. F.: C₁₂H₄Cl₂N₂O
M. W.: 263.08

CPbT

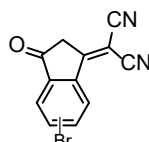
CAS#:
M. F.: C₁₀H₄N₂O₂S
M. W.: 200.22

IC010 (CIC)

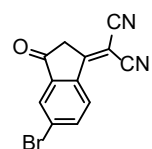
CAS#: NA
M. F.: C₁₂H₅ClN₂O
M. W.: 228.64

FIC

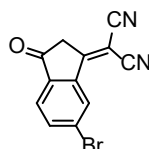
CAS#: 507484-54-0
M. F.: C₁₂H₅FN₂O
M. W.: 212.18

IC004 (BrIC)

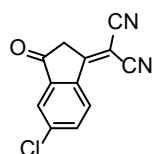
CAS#: NA
M. F.: C₁₂H₅BrN₂O
M. W.: 1169.70

IC005 (5BrIC)

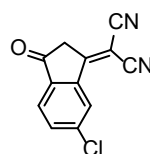
CAS#: 2304026-60-4
M. F.: C₁₂H₅BrN₂O
M. W.: 273.09

IC006 (6BrIC)

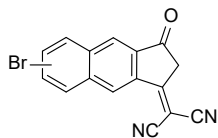
CAS#: 507484-47-1
M. F.: C₁₂H₅BrN₂O
M. W.: 273.09

IC011 (5CIC)

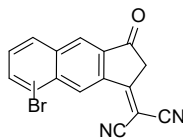
CAS#: 2364382-35-2
M. F.: C₁₂H₅ClN₂O
M. W.: 228.64

IC012 (6CIC)

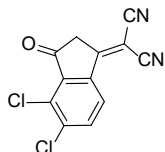
CAS#: 507484-48-2
M. F.: C₁₂H₅ClN₂O
M. W.: 228.64

6 (7) BrNIC

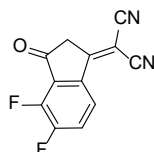
CAS#:
M. F.: C₁₇H₁₁BrN₂O
M. W.: 323.15

5 (8) BrNIC

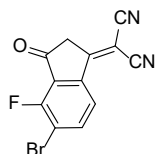
CAS#:
M. F.: C₁₇H₁₁BrN₂O
M. W.: 323.15

IC014 (Θ-οDCIC)

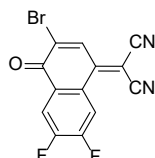
CAS#: NA
M. F.: C₁₂H₄Cl₂N₂O
M. W.: 263.08

IC015 (Θ-οDFIC)

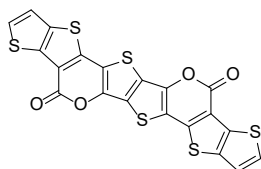
CAS#: NA
M. F.: C₁₂H₄F₂N₂O
M. W.: 230.17

IC016

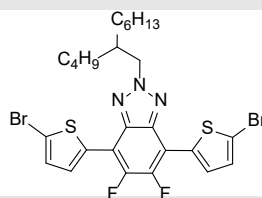
CAS#: 2653318-15-9
M. F.: C₁₂H₄BrFN₂O
M. W.: 291.08

NP002

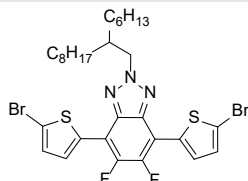
CAS#: 3053225-01-4
M. F.: C₁₃H₃BrF₂N₂O
M. W.: 321.08

TTOTT100

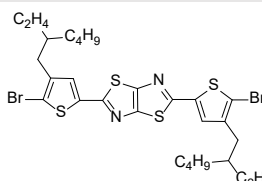
CAS#: NA
M. F.: C₂₀H₄O₄S₆
M. W.: 500.61

BTZF212

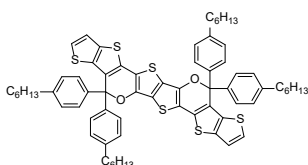
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M. F.:
C₂₆H₂₉Br₂F₂N₃S₂
M. W.: 645.46

BTZF213

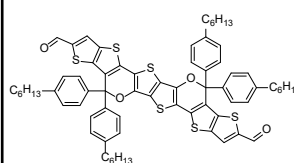
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C₃₀H₃₇Br₂F₂N₃S₂
M. W.: 701.57

ThZ211

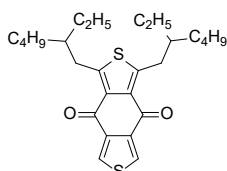
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M. W.: 688.66

TTOTT121

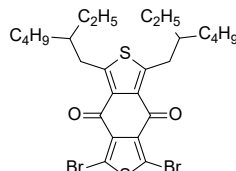
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M. F.: C₆₈H₇₂O₂S₆
M. W.: 1113.68

TTOTT521

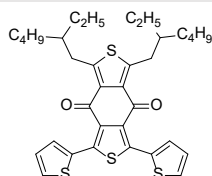
CAS#: NA
M. F.: C₇₀H₇₂O₄S₆
M. W.: 1169.70

BDD111

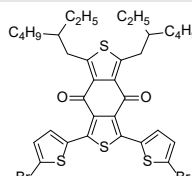
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M. F.: C₂₆H₃₆O₂S₂
M. W.: 444.69

BDD211

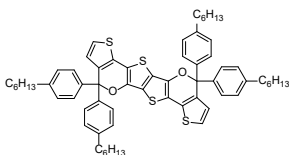
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M. F.: C₂₆H₃₄Br₂O₂S₂
M. W.: 602.48

BDD121

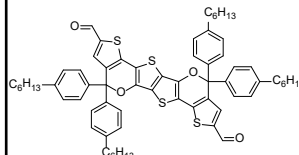
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M. W.: 608.93

BDD221

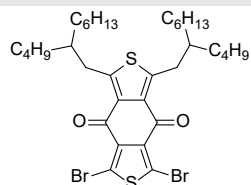
CAS#: 1415929-78-0
M. F.: C₃₄H₃₈Br₂O₂S₄
M. W.: 766.72

TTOT121

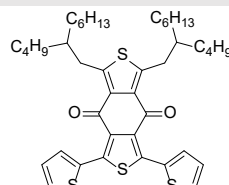
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TTOT521

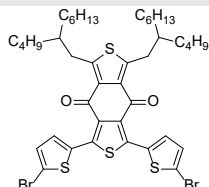
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M. W.: 1057.54

BDD212

CAS#:
M. F.: C₃₄H₅₀Br₂O₂S₂
M. W.: 714.70

BDD122

CAS#:
M. F.: C₄₂H₅₆O₂S₄
M. W.: 721.15

BDD222

CAS#:
M. F.: C₄₂H₅₄Br₂O₂S₄
M. W.: 878.94

联系我们

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