

Stable p-Type Organic Semiconductor Dimethylantrathradithiophene (DMADT)



anti-DMADT (purified by sublimation)
100mg
[D4617]



syn-DMADT (purified by sublimation)
100mg
[D4618]

Advantages

- More stable toward oxidation because of its lower HOMO-level compared with pentacene
- Applicable to device-fabrication using the single isomer because high pure *anti*-DMADT and *syn*-DMADT are free from isomer contamination

FET Characteristics

	Mobility μ (cm ² /Vs)	On/Off ratio	Threshold (V)
<i>anti</i> -DMADT	0.41	10 ⁶	-19
<i>syn</i> -DMADT	0.084	10 ⁵	-25

Reference M. Mamada, T. Minamiki, H. Katagiri, S. Tokito, *Org. Lett.* **2012**, 14, 4062.
<https://doi.org/10.1021/ol301626u>

Related Products

Pentacene (purified by sublimation)

100mg / 1g [P0030]

Pentacene (99.999%, trace metals basis) (purified by sublimation)

100mg / 1g [P2524]

DBTTT (purified by sublimation)

100mg [D5086]

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