

# 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 $\mu$ (cm <sup>2</sup> /Vs)	On/Off ratio	Threshold (V)
<i>anti</i> -DMADT	0.41	10 <sup>6</sup>	-19
<i>syn</i> -DMADT	0.084	10 <sup>5</sup>	-25

Reference M. Mamada, T. Minamiki, H. Katagiri, S. Tokito, *Org. Lett.* **2012**, *14*, 4062.  
DOI: <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]

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).



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