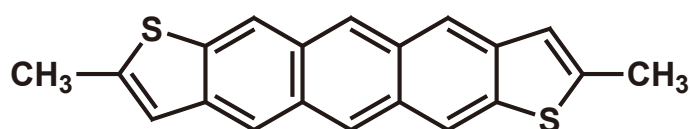
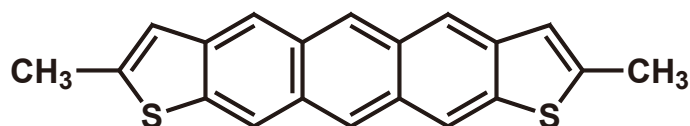


# Stable p-Type Organic Semiconductor Dimethylantrathradithiophene (DMADT)



**anti-DMADT**  
[D4617]



**syn-DMADT**  
[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.

***anti*-DMADT** (purified by sublimation)

100mg [D4617]

***syn*-DMADT** (purified by sublimation)

100mg [D4618]

## 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).



## Ordering and Customer Service

### TCI AMERICA

Tel : 800-423-8616 / 503-283-1681  
Fax : 888-520-1075 / 503-283-1987  
E-mail : Sales-US@TCIchemicals.com

### TCI EUROPE N.V.

Tel : +32 (0)3 735 07 00  
Fax : +32 (0)3 735 07 01  
E-mail : Sales-EU@TCIchemicals.com

### TCI Deutschland GmbH

Tel : +49 (0)6196 64053-00  
Fax : +49 (0)6196 64053-01  
E-mail : Sales-DE@TCIchemicals.com

### Tokyo Chemical Industry UK Ltd.

Tel : +44 (0)1865 784560  
Fax : +44 (0)1865 784561  
E-mail : Sales-UK@TCIchemicals.com

### TCI Chemicals (India) Pvt. Ltd.

Tel : 1800 425 7889 / 044-2262 0909  
Fax : 044-2262 8902  
E-mail : Sales-IN@TCIchemicals.com

### 梯希爱(上海)化成工业发展有限公司

Tel : 800-988-0390 / 021-67121386  
Fax : 021-6712-1385  
E-mail : Sales-CN@TCIchemicals.com

### TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878  
Fax : +81 (0)3-5640-8902  
E-mail : globalbusiness@TCIchemicals.com

Availability, price or specification of the listed products are subject to change without prior notice. Reproduction forbidden without the prior written consent of Tokyo Chemical Industry Co., Ltd.