

# p-Type Semiconducting Picene Derivative Phenanthro[1,2-b:8,7-b']dithiophene

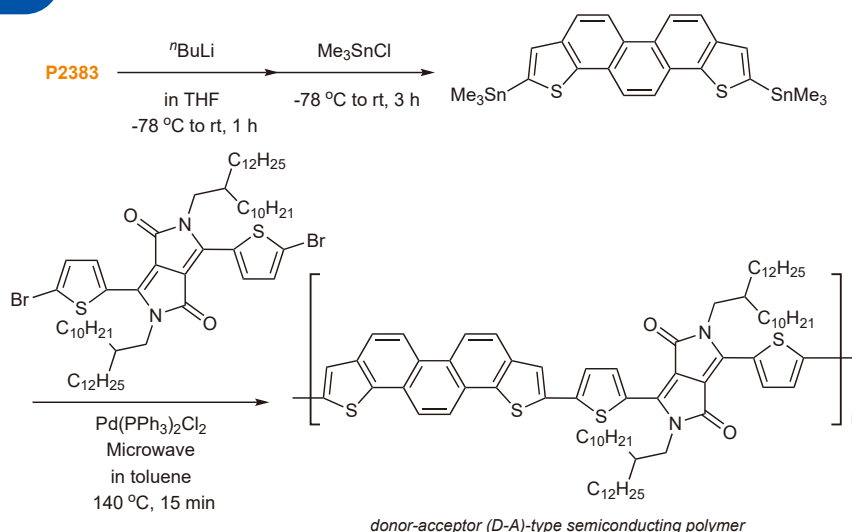


Phenanthro[1,2-b:8,7-b']dithiophene  
100mg  
[P2383]

## Advantages

- The field-effect mobility is as high as  $10^{-1} \text{ cm}^2/\text{Vs}$  when used in the thin films of the field-effect transistor (FET).
- Applicable to the synthesis of semiconducting polymers by using stannylated or brominated P2383.

## Application



## References

- H. Mori, Y. Nishihara, *et al.*, *J. Polym. Sci., Part A: Polym. Chem.* **2015**, 53, 709. <https://doi.org/10.1002/pola.27500>  
 Y. Nishihara, Y. Kubozono, *et al.*, *RSC Adv.* **2013**, 3, 19341. <https://doi.org/10.1039/C3RA44050H>  
 Y. Nishihara, ADEKA CORP., Jpn. Kokai Tokkyo Koho 2014-240483, **2014**.

## Related Product

**Picene** (purified by sublimation) (>99.9%)

100mg / 500mg [P2207]

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TCI semiconductors



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