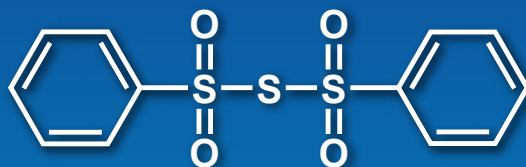


New

CHEMISTRY

T C I

# Electrophilic Sulfur Introducing Reagent for Fused Thiophene Derivative Synthesis



Bis(phenylsulfonyl) Sulfide

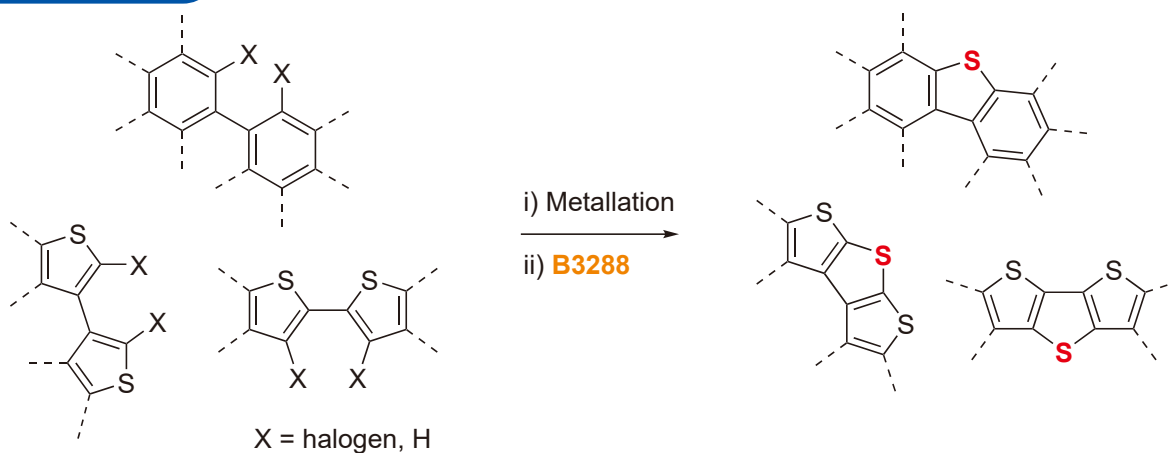
1g / 5g

[B3288]

## Advantages

- Forms a variety of thiophene rings or sulfide bonds even rigid unit by the reaction with nucleophiles such as aryl lithium under mild conditions
- Useful synthetic equivalent of sulfur dichloride (SCl<sub>2</sub>), which is highly toxic and difficult to handle
- Benzenesulfinic acid, a byproduct of the reaction, can be easily removed by liquid separation and purification.

## Application



**References** F. Allared, J. Hellberg, T. Remonen, *Tetrahedron Lett.* **2002**, 43, 1553.  
DOI: [https://doi.org/10.1016/S0040-4039\(02\)00006-0](https://doi.org/10.1016/S0040-4039(02)00006-0)  
L. Li, C. Zhao, H. Wang, *Chem. Rec.* **2016**, 16, 797.  
DOI: <https://doi.org/10.1002/tcr.201500270>

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