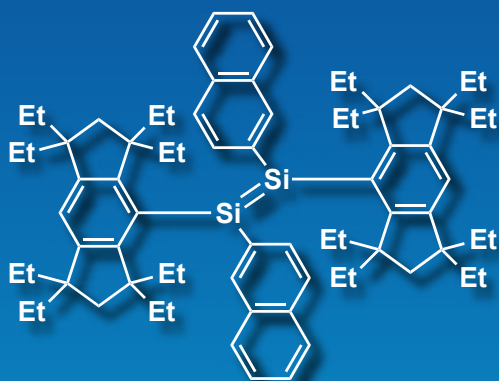


# Air-Stable Emissive Disilene Protected by Fused-Ring Bulky "Rind" Groups



(Eind)(2-Naph)Si=Si(2-Naph)(Eind)  
50mg  
[B4422]



Solid-state emission of **B4422**



Electroluminescence of **B4422**

(The images were provided by Prof. Matsuo.)

## Advantages

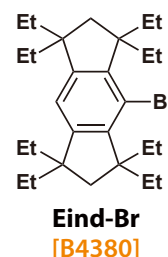
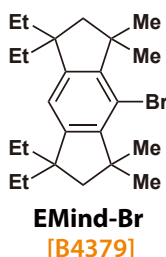
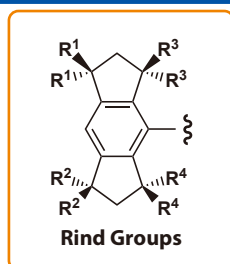
- Prolonged stability under air
- Remarkable emission at room temperature

Matsuo and Tamao *et al.* developed an air-stable disilene by using bulky groups based on a fused-ring (Rind groups).<sup>1,2)</sup>

The disilene shows remarkable emission at room temperature, and is expected to become a new platform for the development of functional organic materials and devices.<sup>3)</sup>

For details, please also see our quarterly journal "TCI MAIL" No.163.

## Related Products: Fused-ring protective groups (Rind groups)<sup>4)</sup>



- References**
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  - 2) M. Kobayashi, K. Tamao, *et al.*, *Chem. Lett.* **2014**, 43,432. <https://doi.org/10.1246/cl.131043>
  - 3) K. Tamao, H. Tsuji, *et al.*, *Chem. Commun.* **2012**, 48, 1030. <https://doi.org/10.1039/C1CC16067B>
  - 4) T. Matsuo, K. Tamao, *et al.*, *Bull. Chem. Soc. Jpn.* **2011**, *84*, 1178. <https://doi.org/10.1246/bcsj.20110090>

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