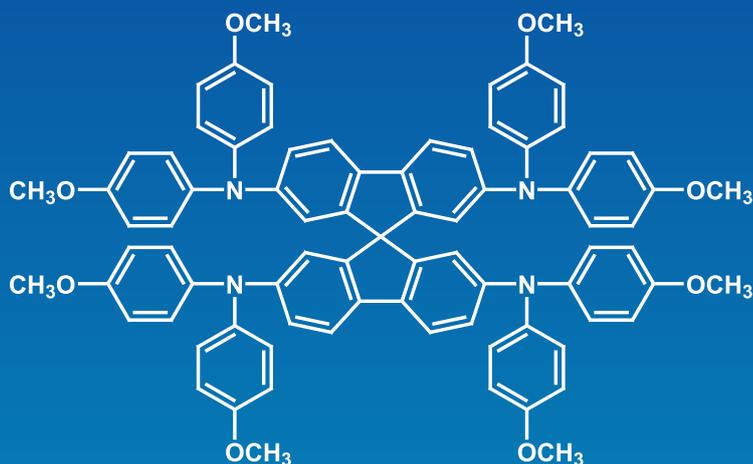


# 空穴传输材料Spiro-OMeTAD



**Spiro-OMeTAD**

1g / 5g

[T3672]

## 优势

- 可以用作钙钛矿太阳能电池、钙钛矿EL器件、染料敏化太阳能电池和有机EL器件等的空穴传输材料。
- 适用于溶液工艺
- HOMO -5.0 eV  
LUMO -1.5 eV  
(通过光电能谱检测)<sup>1)</sup>

## 参考文献

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- 2) Mini-Review on Efficiency and Stability of Perovskite Solar Cells with Spiro-OMeTAD Hole Transport Layer: Recent Progress and Perspectives  
G. Tumen-Ulzii, T. Matsushima, C. Adachi, *Energy Fuels* **2021**, *35*, 18915. <https://doi.org/10.1021/acs.energyfuels.1c02190>
- 3) Lessons learned from spiro-OMeTAD and PTAA in perovskite solar cells  
F. M. Rombach, S. A. Haque, T. J. Macdonald, *Energy Environ. Sci.* **2021**, *14*, 5161. <https://doi.org/10.1039/D1EE02095A>

## 相关产品

LiTFSI  
TOP-HTM- $\alpha$ 1  
TOP-HTM- $\alpha$ 2

25g / 250g [B2542]  
1g / 5g / 25g [B5672]  
1g / 5g / 25g [T3722]

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询价与订购联系方式:

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传真: 021-6712-1385 邮件: [Sales-CN@TCIchemicals.com](mailto:Sales-CN@TCIchemicals.com)

地址: 上海化学工业区普工路96号 邮编: 201507