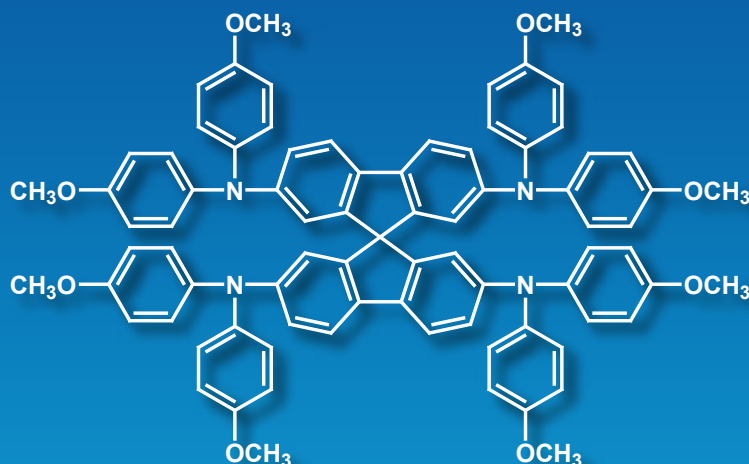


Hole Transport Material Spiro-OMeTAD



Spiro-OMeTAD

1g / 5g

[T3672]

Advantages

- Can be used as a hole transport material for perovskite solar cells, perovskite EL devices, dye-sensitized solar cells, and organic EL devices, etc.
- Suitable for solution process
- HOMO -5.0 eV
LUMO -1.5 eV
(by photoemission spectroscopy)¹⁾

References

- 1) Interface energetics in organo-metal halide perovskite-based photovoltaic cells
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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>

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LiTFSI

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