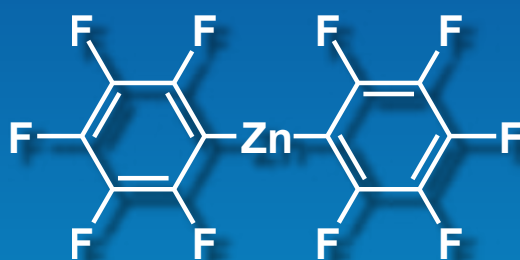


Zinc Compound to Enhance the Efficiency of Perovskite Solar Cells

$(C_6F_5)_2Zn$



Bis(pentafluorophenyl)zinc (purified by sublimation)

1g

[B6726]

Advantages

- Refined by sublimation purification.
- The use of B6726 as p-type dopant in perovskite solar cells realizes superior device stability compared to devices using LiTFSI.¹⁾
- Using B6726 for surface treatment of inorganic perovskite ($CsPbX_3$) solar cell devices promotes secondary grain growth of perovskite film and improves the power conversion efficiency of devices.^{2,3)}

References

- 1) J. Luo, Z. Wan, C. Jia, *et al.*, *ChemSusChem* **2023**, 16, e202300833. <https://doi.org/10.1002/cssc.202300833>
- 2) H. Wang, M. Yang, W. Cai, Z. Zang, *Nano Lett.* **2023**, 23, 4479. <https://doi.org/10.1021/acs.nanolett.3c00815>
- 3) S. Qi, P. Wang, X. Zhang, *et al.*, *Sol. RRL* **2025**, 9, 2400819. <https://doi.org/10.1002/solr.202400819>

Related Products

Lead(II) Iodide (99.99%, trace metals basis) [for perovskite precursor]	1g / 5g / 25g / 100g / 1kg [L0279]
Lead(II) Bromide [for perovskite precursor]	1g / 5g / 25g [L0288]
PTAA	250mg / 1g [P3179]
Cesium Iodide	25g [C2205]
Cesium Bromide	25g / 100g [C2202]
Cesium Lead Triiodide (Low water content)	1g / 5g [C3570]
Cesium Lead Tribromide (Low water content)	1g / 5g [C3569]

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