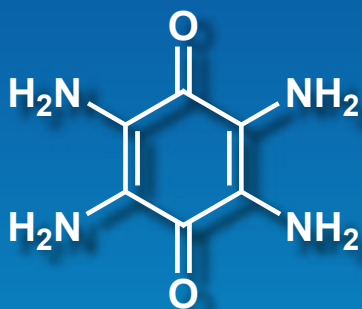


New

MATERIALS



# TABQ Serving as An Electrode Material or as An Amine Linker for COFs/MOFs

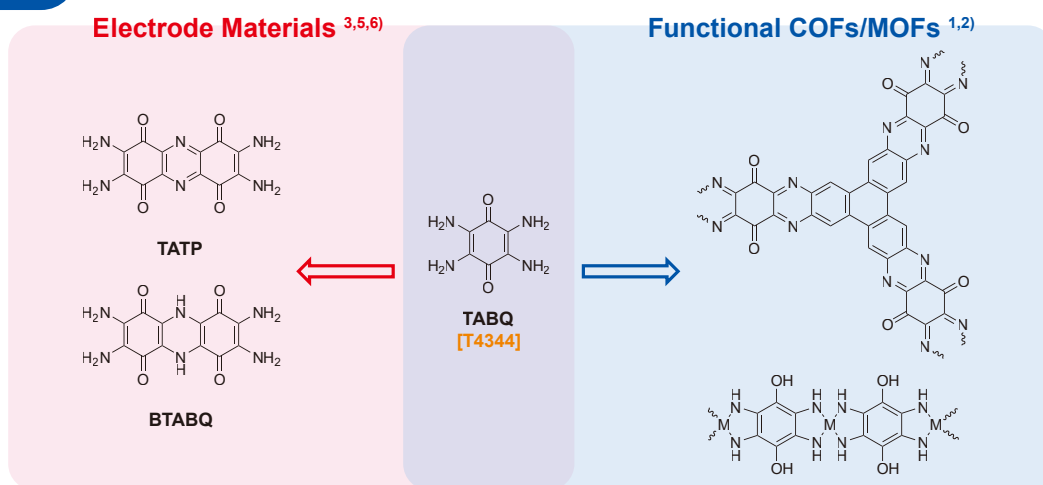


2,3,5,6-Tetraamino-1,4-benzoquinone  
(= TABQ)  
1g / 5g  
[T4344]

## Advantages

- Enables the synthesis of functional COFs and ladder polymer materials fused with carbonyl compounds and phenols.<sup>1)</sup>
- Forms functional MOFs by coordination to transition metals.<sup>2)</sup>
- BATQ and its derivatives are applicable as electrode materials.<sup>3,4,5,6)</sup>

## Applications



References 1) M. Zhang, W. Huang, et al., *Chem. Mater.* **2023**, 35, 4873. <https://doi.org/10.1021/acs.chemmater.3c00983>  
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3) Z. Lin, X. Sun, et al., *Nature Commun.* **2021**, 12, 4424. <https://doi.org/10.1038/s41467-021-24701-9>  
4) C. Zhang, C. Wang, et al., *Cell Rep. Phys. Sci.* **2023**, 4, 101290. <https://doi.org/10.1016/j.xcrp.2023.101290>  
5) Z. Li, C. Wang, et al., *Angew. Chem. Int. Ed.* **2022**, 61, e202207221. <https://doi.org/10.1002/anie.202207221>  
6) T. Chen, M. Dincă, et al., *Joule* **2023**, 7, 986. <https://doi.org/10.1016/j.joule.2023.03.011>

## Related Products

TCI also offers many electrode materials, battery cathode active materials and metal electrolytes for battery research. For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).

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