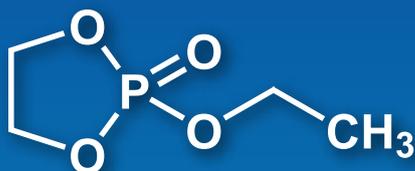


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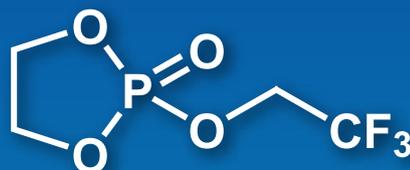
MATERIALS



# 锂离子电池用阻燃和过充保护 电解液添加剂



**2-Ethoxy-2-oxo-  
1,3,2-dioxaphospholane**  
1g / 5g  
[E1458]



**TFEP**  
1g / 5g  
[E1456]

## 优势

- 阻燃环磷酸酯
- 防止电压急剧上升，可以过充保护
- 固态电解质界面（SEI）和正极电解质界面（CEI）的形成有助于提高库仑效率和循环稳定性

## 参考文献

Ethylene ethyl phosphate as a multifunctional electrolyte additive for lithium-ion batteries  
D. Gao, J. B. Xu, M. Lin, Q. Xu, C. F. Ma, H. F. Xiang, *RSC Adv.* **2015**, 5, 17566.  
<https://doi.org/10.1039/C4RA15899G>

Functionality Selection Principle for High Voltage Lithium-ion Battery Electrolyte Additives  
C. Su, Z. Zhang, *et al.*, *ACS Appl. Mater. Interfaces* **2017**, 9, 30686.  
<https://doi.org/10.1021/acsami.7b08953>

A cyclic phosphate-based battery electrolyte for high voltage and safe operation  
Q. Zheng, Y. Yamada, R. Shang, S. Ko, Y. Lee, K. Kim, E. Nakamura, A. Yamada, *Nat. Energy* **2020** 5, 291.  
<https://doi.org/10.1038/s41560-020-0567-z>

## 相关产品

**Phosphate-type Electrolyte Additive for Lithium-ion Battery**  
**TTFPa (= Tris(2,2,2-trifluoroethyl) Phosphate**

5g / 25g [T3203]

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