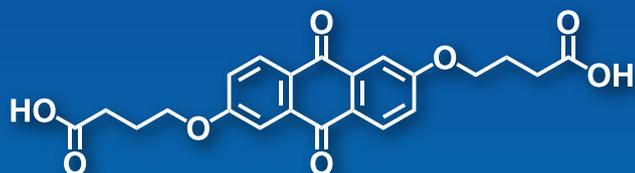


New

MATERIALS



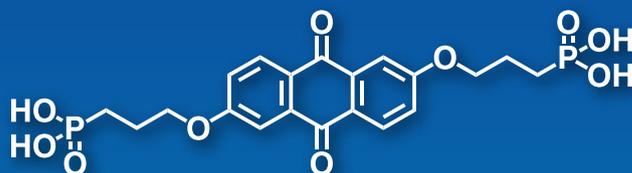
寿命长，碱性-水可溶的 氧化还原液流电池材料



2,6-DBEAQ

5g

[D5764]



2,6-DPPEAQ

5g

[D5765]

特性

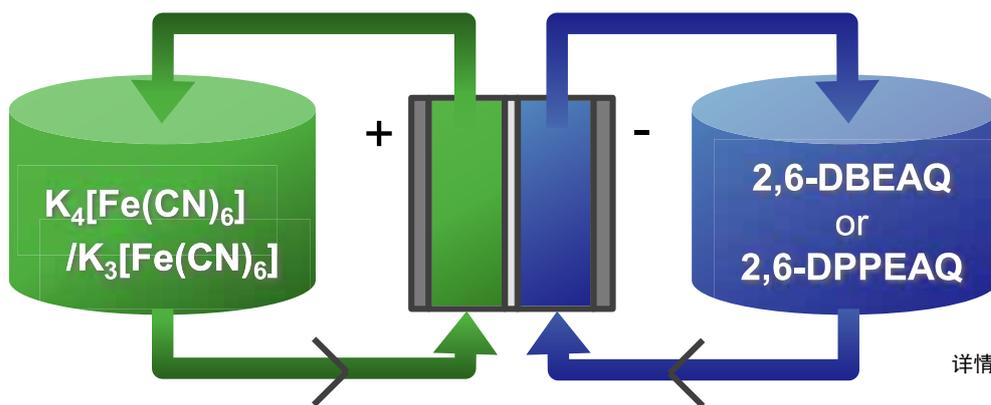
	2,6-DBEAQ ¹⁾	2,6-DPPEAQ ²⁾
溶解度 ³⁾	0.5 M (pH 12)	0.75 M (pH 9)
氧化还原电位(vs SHE) ³⁾	-0.515 V	-0.47 V
开路电压 ⁴⁾	>1 V	>1 V
衰减率	<0.01% per day	0.014% per day

参考文献

- 1) Publication data for 2,6-DBEAQ: D. G. Kwabi, K. Lin, Y. Ji, E. F. Kerr, M.-A. Goulet, D. De Porcellinis, D. P. Tabor, D. A. Pollack, A. Aspuru-Guzik, R. G. Gordon, M. J. Aziz, *Joule* **2018**, 2, 1894.
- 2) Publication data for 2,6-DPPEAQ: Y. Ji, M.-A. Goulet, D. A. Pollack, D. G. Kwabi, S. Jin, D. De Porcellinis, E. F. Kerr, R. G. Gordon, M. J. Aziz, *Adv. Energy Mater.* **2019**, 1900039.
- 3) Measured by cyclic voltammetry in KOH aqueous solution.
- 4) Measured with potassium ferricyanide/ferricyanide as a positive electrolyte.

应用

碱性水氧化还原液流电池的负极电解质



详情参考文献1)和2)

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氧化还原液流

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