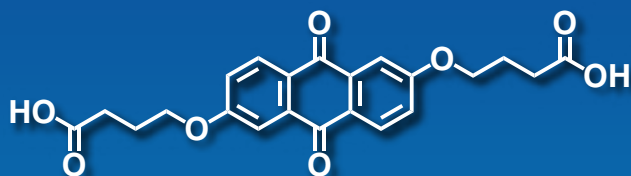


New

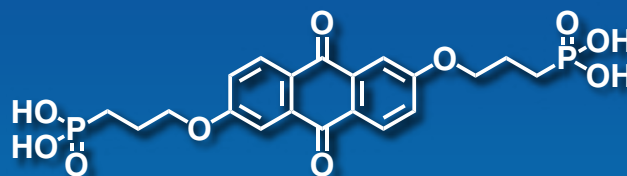
TCI MATERIALS



Long Lifetime, Alkaline-Water Soluble Redox Flow Battery Materials



2,6-DBEAQ
5g
[D5764]



2,6-DPPEAQ
5g
[D5765]

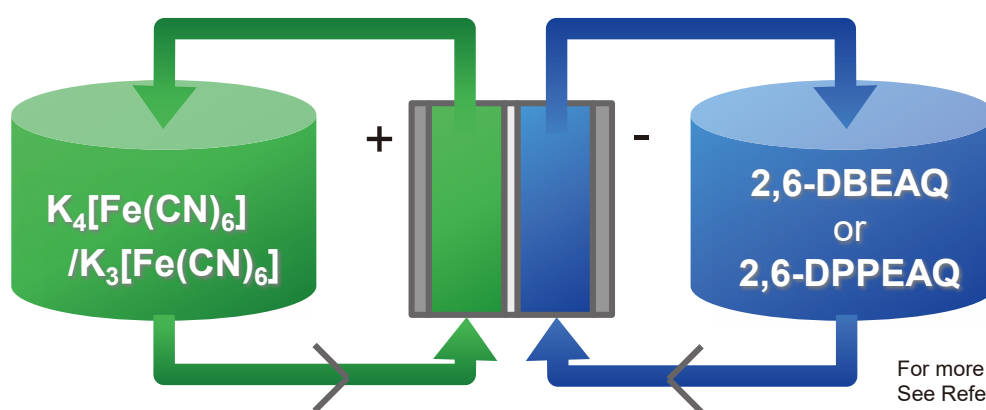
Features	2,6-DBEAQ ¹⁾	2,6-DPPEAQ ²⁾
Solubility ³⁾	0.5 M (pH 12)	0.75 M (pH 9)
Redox potential (vs SHE) ³⁾	-0.515 V	-0.47 V
Open-circuit voltage ⁴⁾	>1 V	>1 V
Fade rate	<0.01% per day	0.014% per day

References

- 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/ferrocyanide as a positive electrolyte.

Application

Negative electrolyte for alkaline aqueous redox flow battery



For more details
See Reference 1) and 2) above

For further information please refer to our website at www.TCIchemicals.com.

redox flow



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