

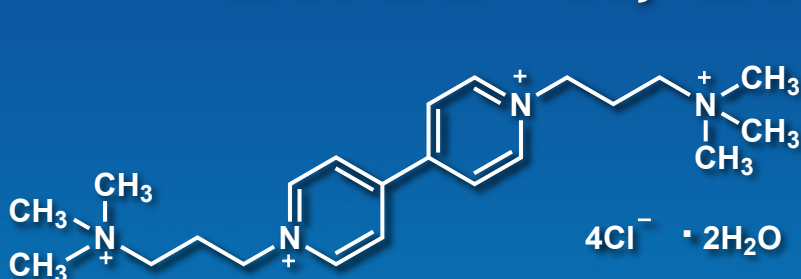
New

MATERIALS

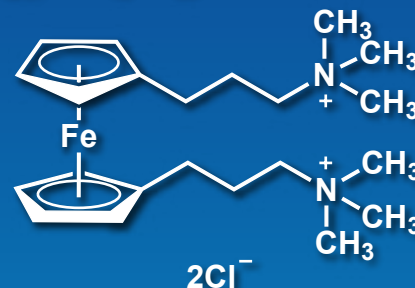


# Neutral pH Aqueous Redox Flow Battery Materials

## BTMAP-Vi, BTMAP-Fc



**BTMAP-Vi**  
[B5659]



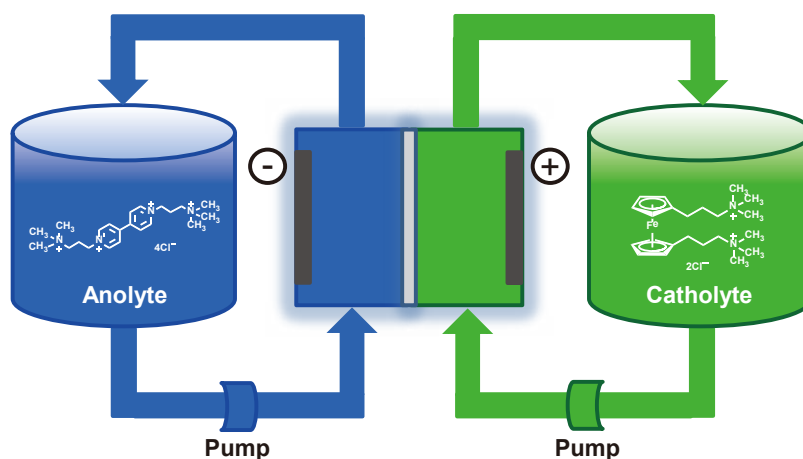
**BTMAP-Fc**  
[B5660]

### Advantages

- High solubility (2.0 M in H<sub>2</sub>O)
- Operable at neutral pH
- Reduction potential -0.358 V for BTMAP-Vi and oxidation potential +0.390 V for BTMAP-Fc (vs SHE)
- High capacity retention (99.9989%/cycle at 0.75-1.00 M)

### Application

#### Redox flow battery with BTMAP based electrolytes



E. S. Beh, D. De Porcellinis, R. L. Gracia, K. T. Xia, R. G. Gordon, M. J. Aziz, *ACS Energy Lett.* **2017**, 2, 639.

**BTMAP-Vi Dihydrate**  
**BTMAP-Fc**

5g [B5659]

5g [B5660]

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).

battery



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##### TCI AMERICA

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Fax : 888-520-1075 / 503-283-1987  
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##### TCI EUROPE N.V.

Tel : +32 (0)3 735 07 00  
Fax : +32 (0)3 735 07 01  
E-mail : Sales-EU@TCIchemicals.com

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Tel : +49 (0)6196 64053-00  
Fax : +49 (0)6196 64053-01  
E-mail : Sales-DE@TCIchemicals.com

##### Tokyo Chemical Industry UK Ltd.

Tel : +44 (0)1865 784560  
Fax : +44 (0)1865 784561  
E-mail : Sales-UK@TCIchemicals.com

##### TCI Chemicals (India) Pvt. Ltd.

Tel : 1800 425 7889 / 044-2262 0909  
Fax : 044-2262 8902  
E-mail : Sales-IN@TCIchemicals.com

##### 梯希爱(上海)化成工业发展有限公司

Tel : 800-988-0390 / 021-67121386  
Fax : 021-6712-1385  
E-mail : Sales-CN@TCIchemicals.com

##### TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878  
Fax : +81 (0)3-5640-8902  
E-mail : globalbusiness@TCIchemicals.com

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