

New

MATERIALS

TCI®

Highly Durable Polymer Capable of Post-Modification Poly(pentafluorostyrene)



Poly(pentafluorostyrene)

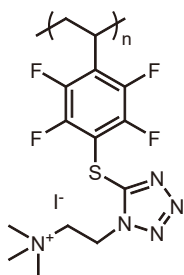
200mg / 1g

[P2900]

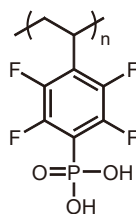
Advantages

- High heat resistance, high chemical resistance
- Capable of post-modification by aromatic nucleophilic substitution reaction

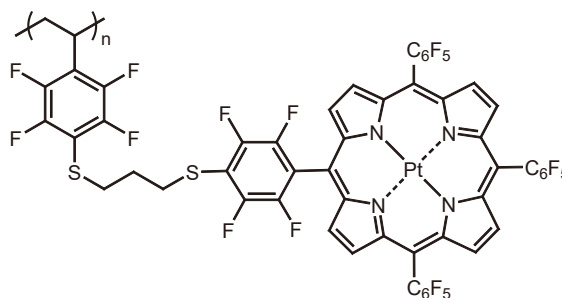
Post-modification examples



Anion Exchange Membrane
for Redox Flow Battery ¹⁾



Membrane Electrode Assembly
for Fuel Cell ²⁾



luminescent Oxygen Indicator ³⁾

References 1) H. Cho, V. Atanasov, H. M. Krieg, J. A. Kerres, *Polymers* **2020**, 12, 915. DOI: <https://doi.org/10.3390/polym12040915>
2) V. Atanasov, J. Kerres, Y. S. Kim, *et al.*, *Nat. Mater.* **2021**, 20, 370. DOI: <https://doi.org/10.1038/s41563-020-00841-z>
3) H. Välimäki, J. Lekkala, *et al.*, *Biomed. Microdevices* **2020**, 22, 41. DOI: <https://doi.org/10.1007/s10544-020-00495-3>

Related Products

2,3,4,5,6-Pentafluorostyrene

Allylpentafluorobenzene

3-(Pentafluorophenyl)pentafluoro-1-propene

1-(2-Dimethylaminoethyl)-5-mercaptopotetrazole

Tris(trimethylsilyl) Phosphite

5,10,15,20-Tetrakis(pentafluorophenyl)porphyrin

5g / 25g [P0862]

5g / 25g [A1611]

5g [P1343]

25g [D2032]

5mL / 25mL [P1217]

100mg [T1730]

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

TCI polymers

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