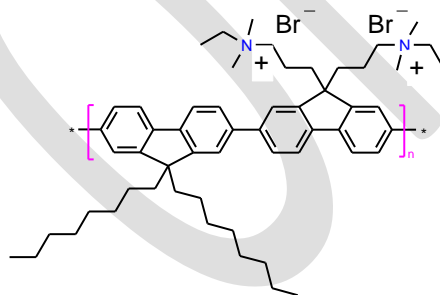


Organic Nano Electronic (ONE=1) Materials for those who understand quality

## CERTIFICATE OF ANALYSIS

1M Material: OS0995, PFN-P2, PFN-Br  
Chemical Name: Poly(9,9-bis(3'-(N,N-dimethyl)-N-ethylammonium-propyl)-2,7-fluorene)-alt-2,7-(9,9-dioctylfluorene))dibromide –Electrolyte  
CAS #: 889672-99-5  
Chemical Structure:



Lot number: SX8072  
Appearance: Beige- yellow solid  
NMR analysis: Structure confirmed  
Molecular weight (GPC): 36,000 (Mw, PS Standard)  
Polydispersity(PDI): 2.4  
Solubility: Soluble in alcohol, DMSO, DMF; insoluble in CHCl<sub>3</sub>  
Solution: Recommend 2-mg/10-ml for interfacial layer

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