

Supporting Information

A pre-lithiated phloroglucinol based 3D porous framework as a single ion conducting electrolyte for lithium ion batteries

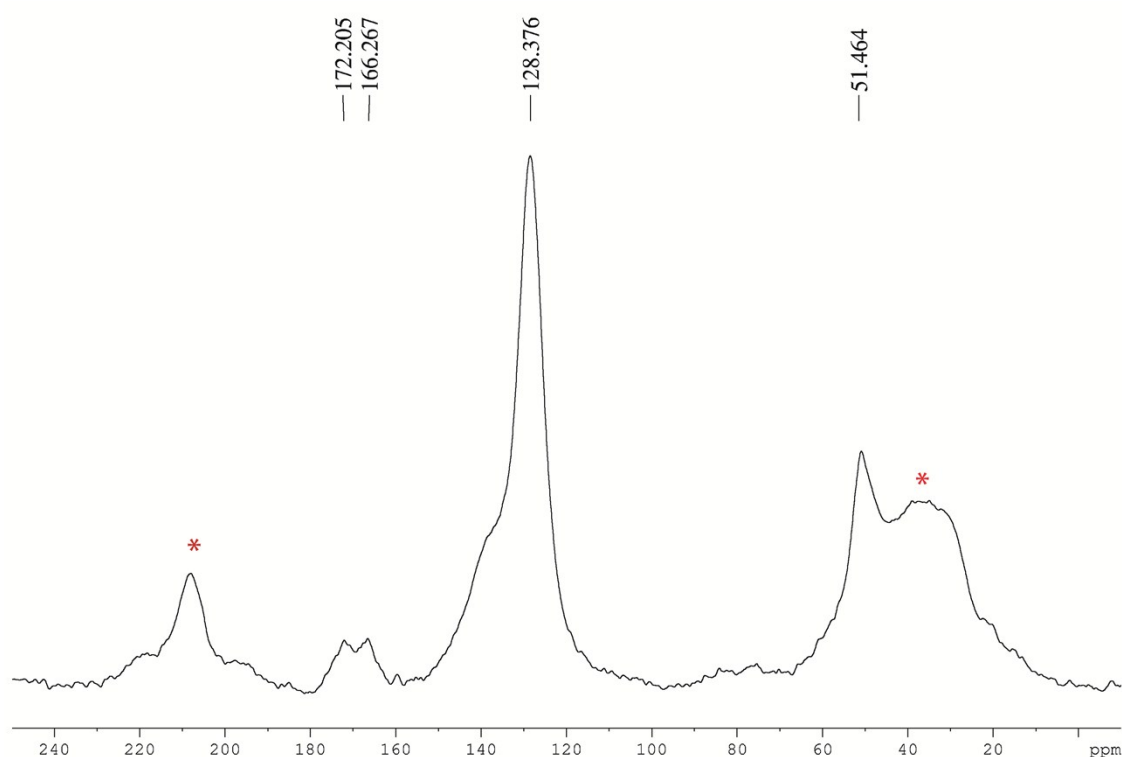


Figure S1. Solid State ^{13}C PMAS-NMR spectrum of PTF-Li. Asterisks (*) denotes spinning sideba

Table S1 Comparison of ionic conductivity of selected single ion conducting gel electrolytes.

Single Ion Conducting Gel Electrolyte	Ionic Conductivity (S cm ⁻¹) at room temperature	Reference No. (in Supporting Info)
PAE ₅ XE ₁	7.9×10^{-6} @25 °C	1
PPAB	1.26×10^{-3}	2
PTAB	1.78×10^{-3}	2
PBAB	5.81×10^{-3}	2
BP-PSSPSI	4×10^{-3}	3
MTF-Li/PVDF-HFP	6×10^{-4}	4
SG/PVDF-HFP	7.2×10^{-4}	5
PSSPSI/PVDF	1.1×10^{-3}	6
LiPA/PVDF-HFP	3.8×10^{-4}	7
LiPBAB/PVDF-HFP	2.4×10^{-4} @20 °C	8
LiPGAA/PVDF-HFP	1.47×10^{-4} @25 °C	9
LiPVPBB/PVDF-HFP	4.4×10^{-4} @25 °C	10
PVdF-HFP/LiPHB	2.5×10^{-4} @25 °C	11
PVdF-HFP/LiPBB	1.76×10^{-4} @25 °C	11
PPAB/PVDF-HFP	2.13×10^{-4} @25 °C	12
PAE-LiPFS	3.1×10^{-3}	13

Reference

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