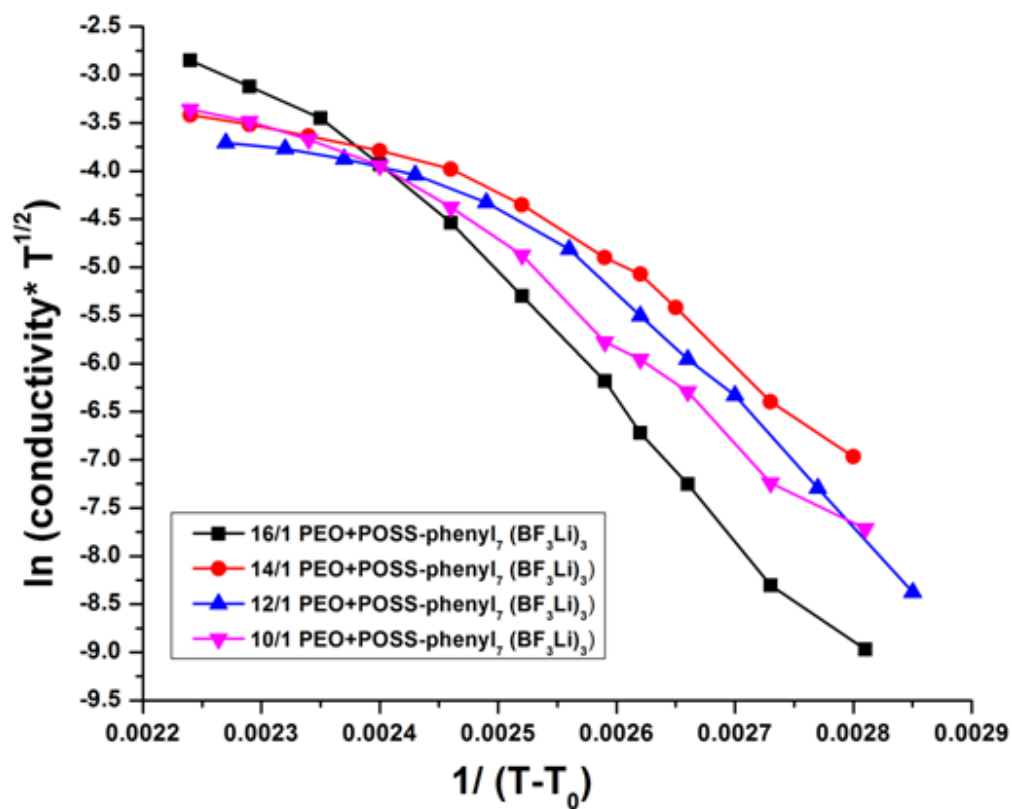


## Electronic Supplemental Information

Self-Assembled Janus-like Multi-Ionic Lithium Salts form Nano-structured Solid Polymer Electrolytes with High Conductivity and High  $\text{Li}^+$  Ion Transference Number

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**Figure 1.** VTF plots of  $\text{POSS-phenyl}_7(\text{BF}_3\text{Li})_3/\text{PEO}$  as a function of O/Li ratio