

1-丁腈-3-甲基咪唑双三氟甲基磺酸亚胺的性质

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Properties of 1-(Cyanopropyl)-3-methylimidazolium Bis[(trifluoromethyl)sulfonyl]imide

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Table S1 The purity (by mass), molecular weight (MW), and company name (Source) of the [PCNMIM][Cl], [Li][NTf₂], and [PCNMIM][NTf₂]

Name	Purity (by mass)	MW	Source
[PCNMIM][Cl]	≥ 0.99%	185.64	Lanzhou Institute of Chemical Physics
[Li][NTf ₂]	≥ 0.99%	287.09	Solvay (ZhenJiang) Chemicals Co., LTD
[PCNMIM][NTf ₂]	≥ 0.99%	430.35	

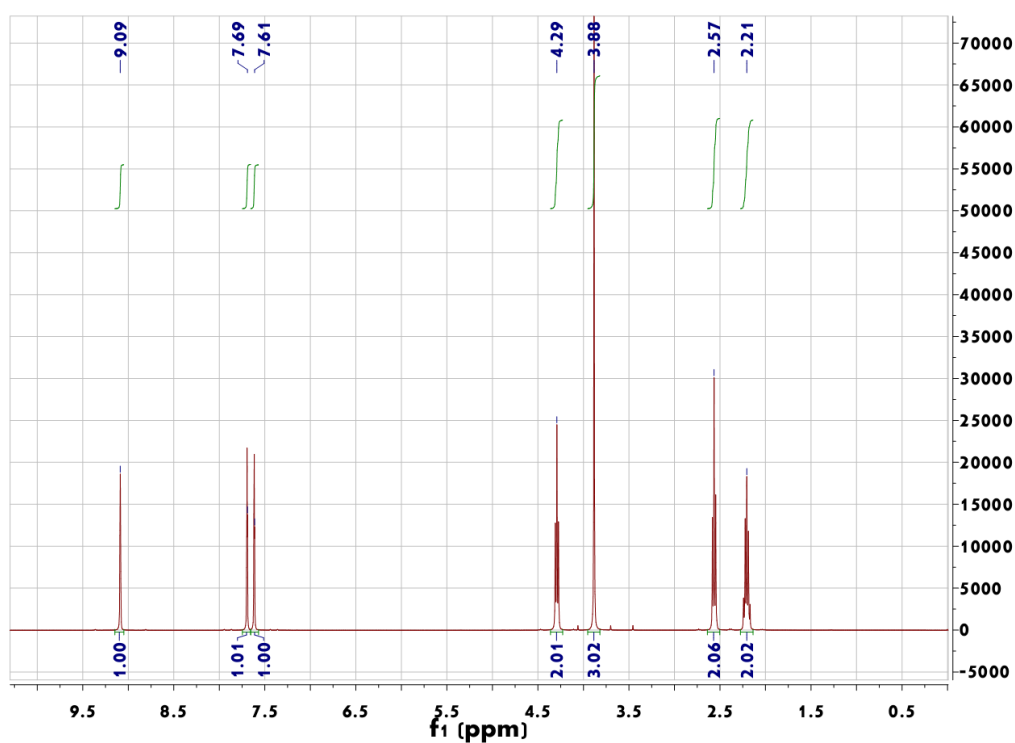


Fig.S1 ¹H NMR of [PCNMIM][NTf₂]

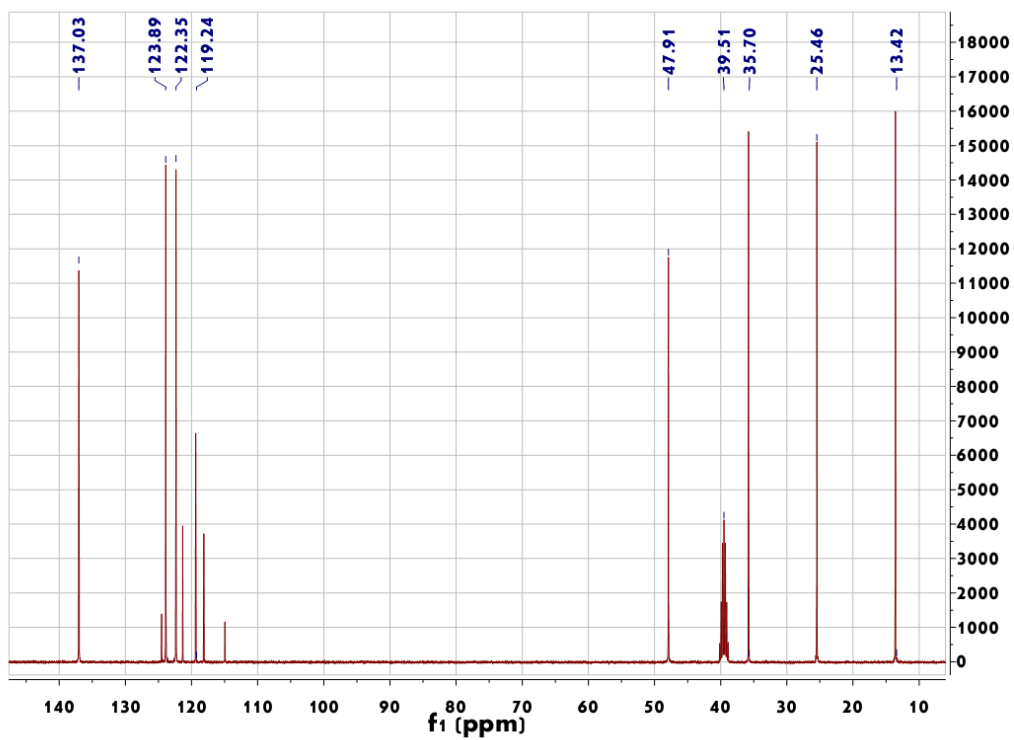


Fig.S2 ^{13}C NMR of [PCNMIM][NTf₂]