

1-甲氧基乙基-3-甲基咪唑甘氨酸离子液体的物理化学性质的研究

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Physicochemical Properties of

1-Methoxyethyl-3-Methylimidazolium Glycine

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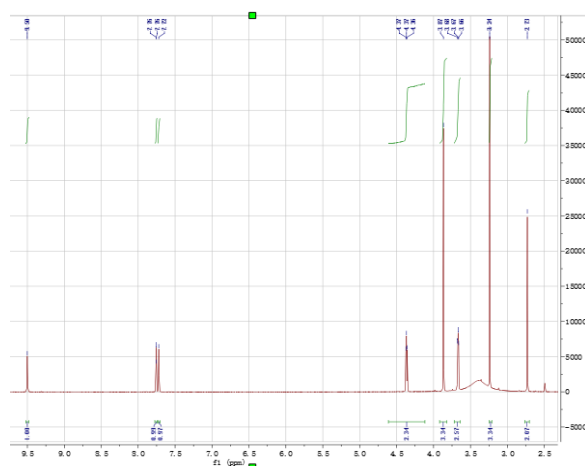


Fig. S1 ^1H NMR spectroscopy for [MOEMIM][Gly].

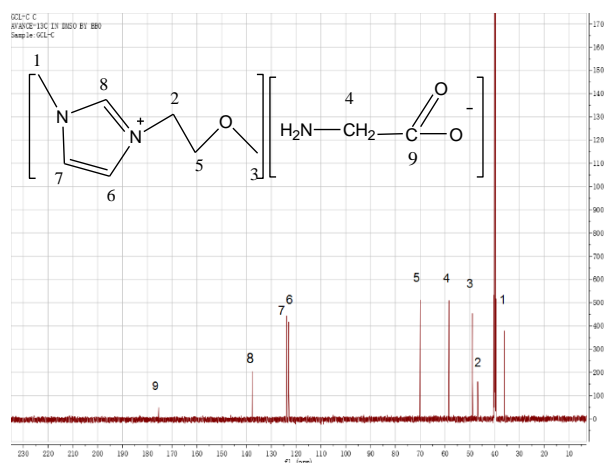


Fig. S2 ^{13}C NMR spectroscopy for [MOEMIM][Gly].

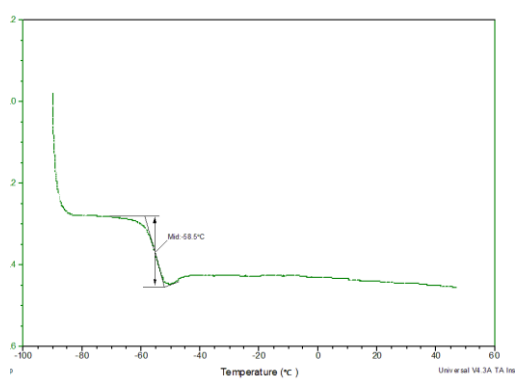


Fig. S3 DSC spectroscopy for [MOEMIM][Gly].

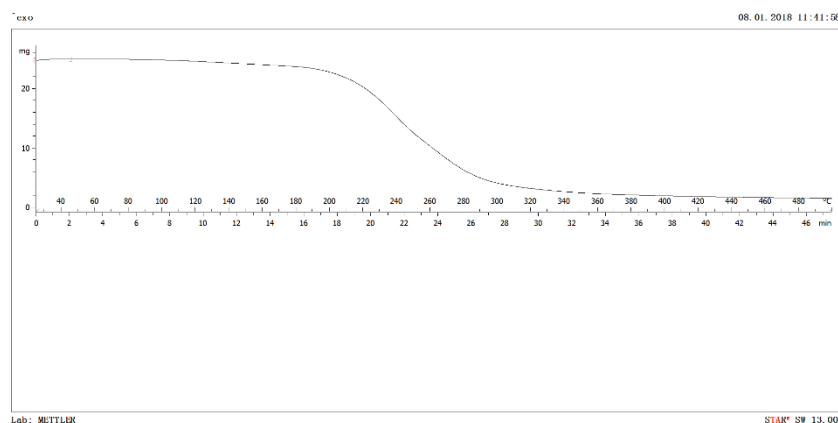


Fig. S4 TG trace of [MOEMIM][Gly].

Element analysis calculated (mass fraction) for $C_8H_{16}N_3O_3$: C 47.04, H 8.88, N 20.57; found: C 46.89, H 8.95, N 20.45

Table S1 The purity, source and some related information of the chemicals.

Chemical Name	Mass fraction purity	Source	Others
Deionized water			$(0.8-1.2) \times 10^{-4} \cdot S \cdot m^{-1}$
1-methylimidazole	> 99.5%	ACROS	
glycine	> 99%		
1-bromo-2-methoxyethane	> 99.5%	Shanghai Chemical Reagent Co. Ltd	
diethyl ether	> 99.5%	Shanghai Chemical Reagent Co. Ltd	
acetonitrile	> 99.5%	Shanghai Chemical Reagent Co. Ltd	
methanol	> 99.5%	Shanghai Chemical Reagent Co. Ltd	
anion-exchange resin (type 717)		Shanghai Chemical Reagent Co. Ltd	