

## Supporting information Figure Captions:

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(a) 1:0 (b) 1: 0.1 (c) 1: 0.5 (d) 1: 1 (e) 0:1

S.Fig.1

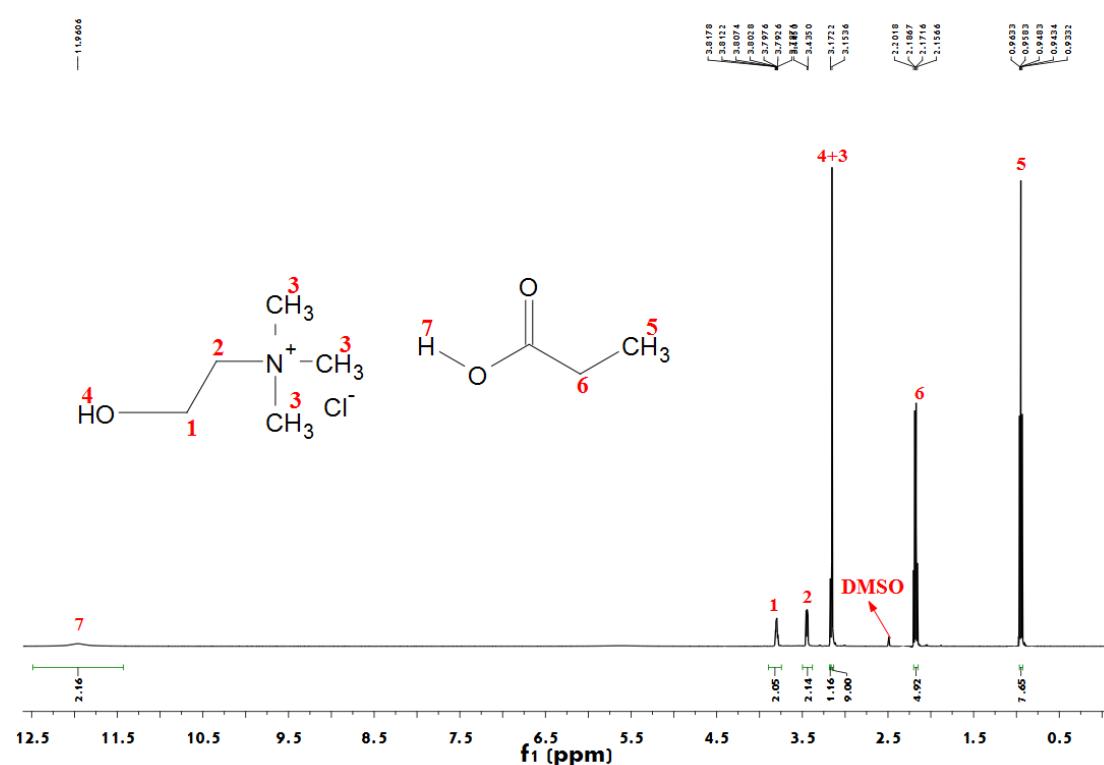


Fig.1 <sup>1</sup>H NMR spectrum of ChCl/Pr(1:2) (DMSO-d<sub>6</sub>)

S.Fig.2

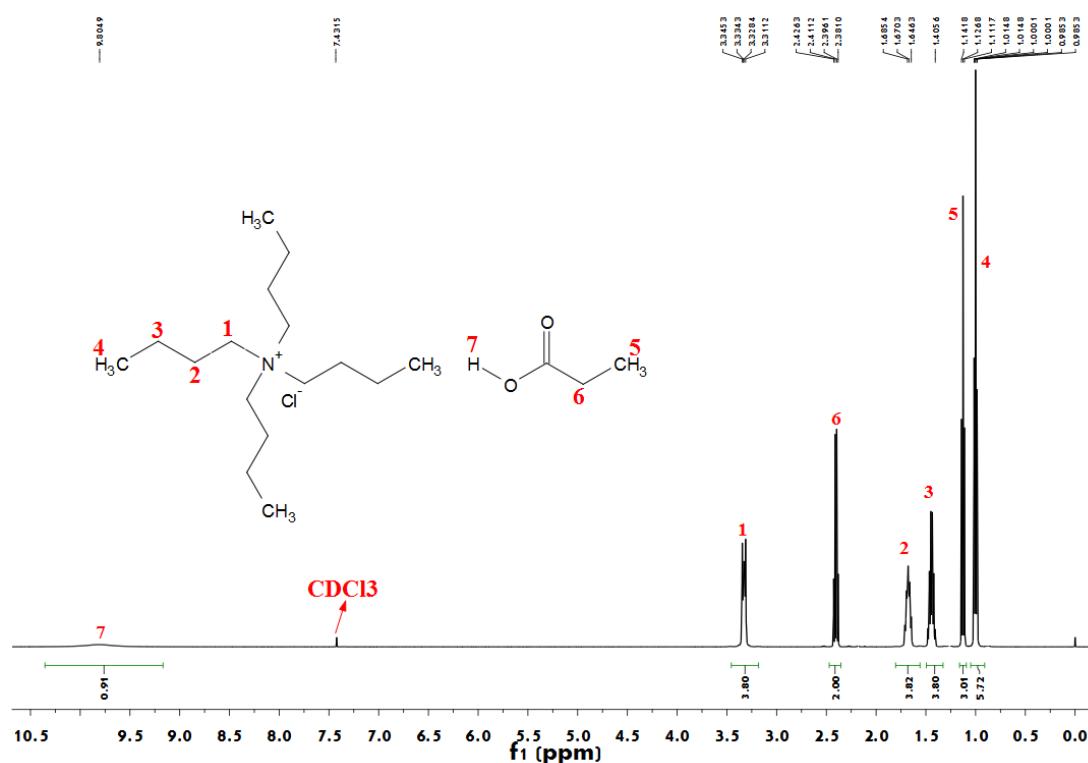


Fig.2  $^1\text{H}$  NMR spectrum of TBAC/Pr(1:2) ( $\text{CDCl}_3$ )

S.Fig.3

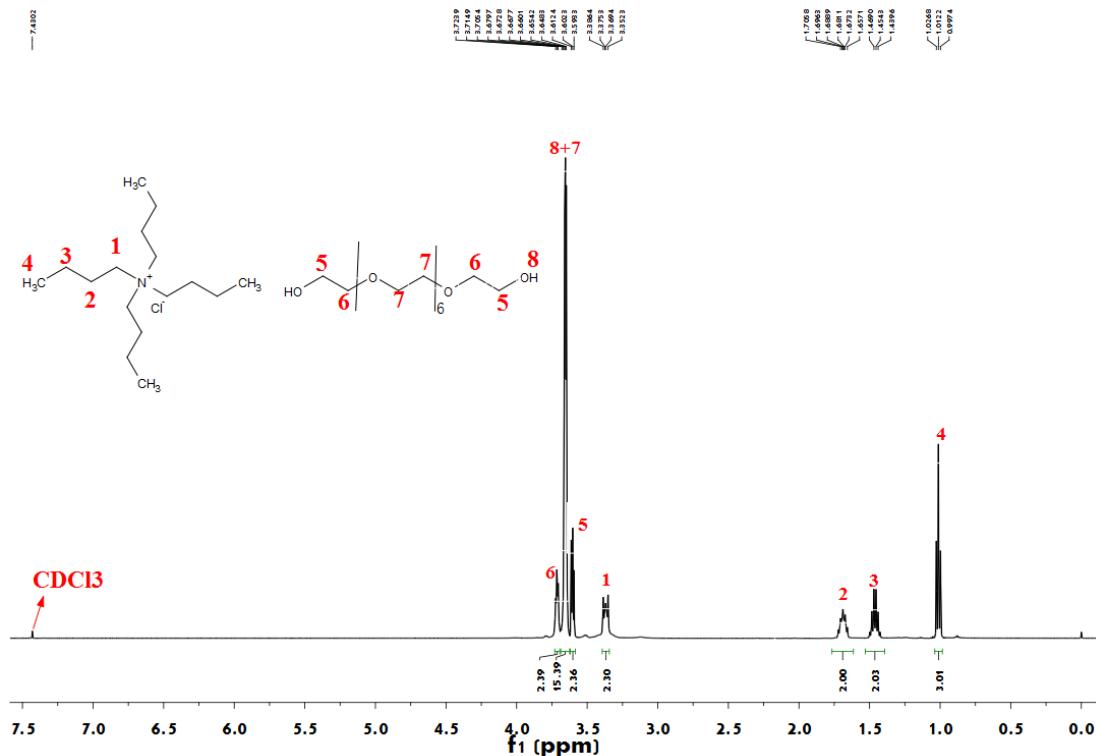


Fig.3  $^1\text{H}$  NMR spectrum of TBAC/PEG(1:2) ( $\text{CDCl}_3$ )

S.Fig.4

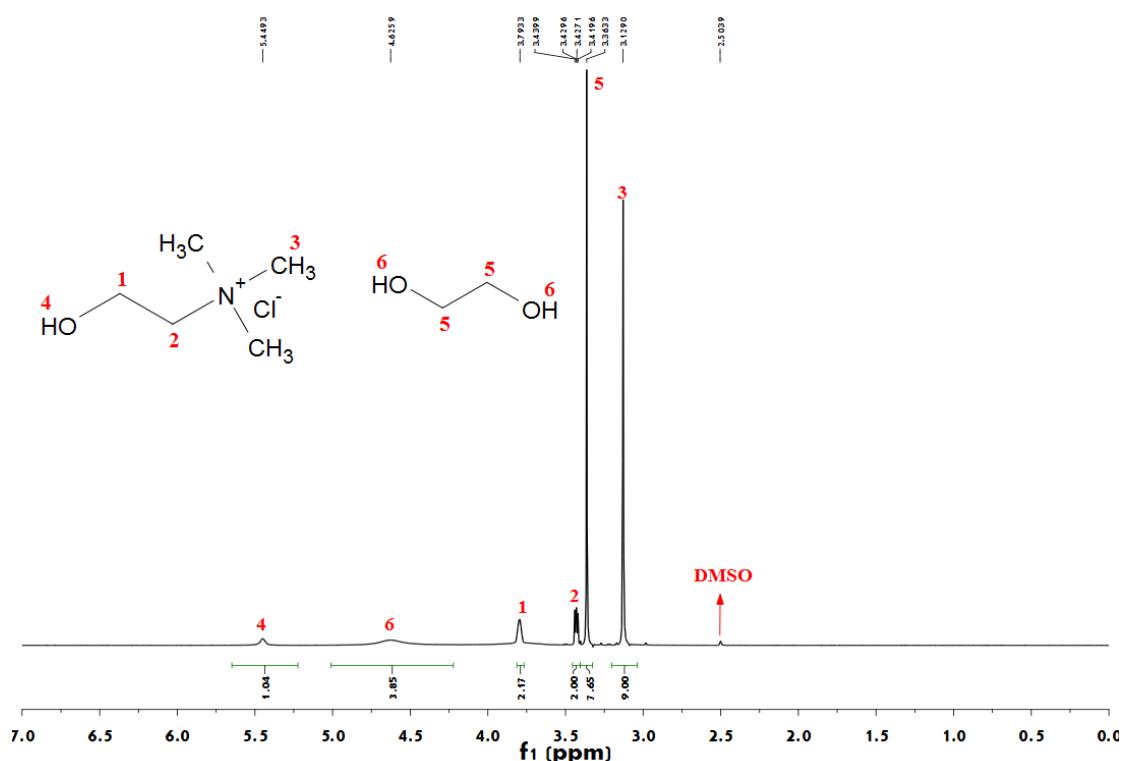


Fig.4  $^1\text{H}$  NMR spectrum of ChCl/EG(1:2) ( $\text{DMSO-d}_6$ )

S.Fig.5

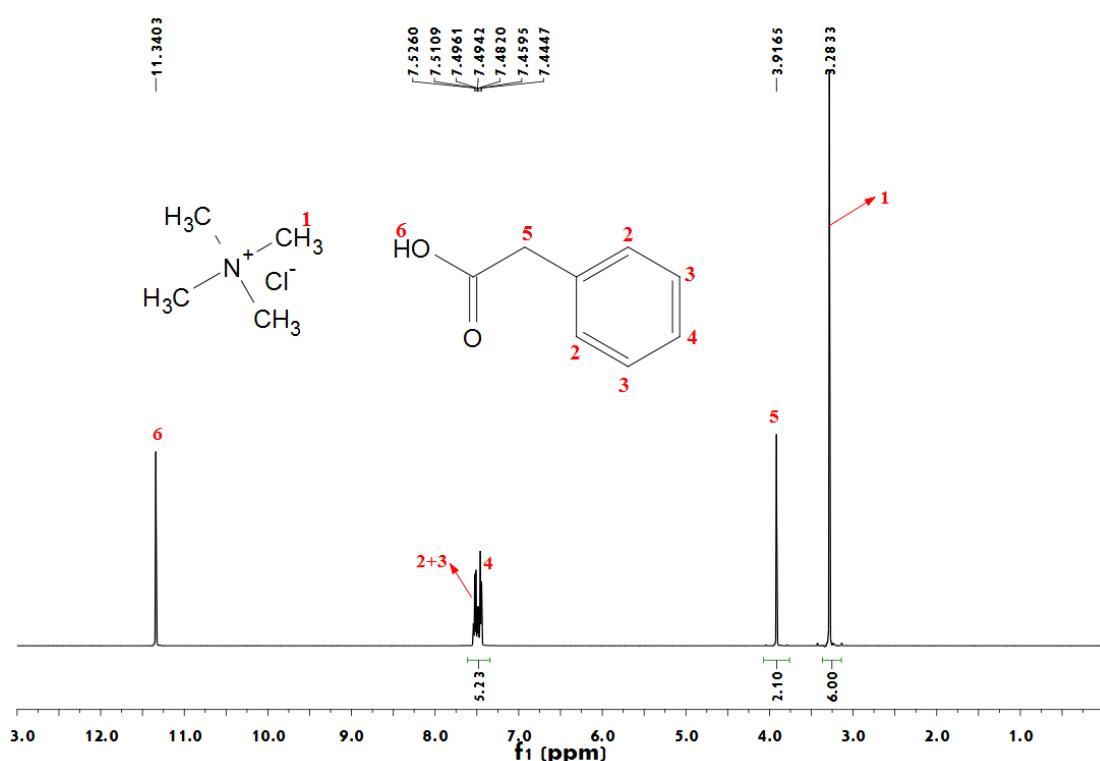


Fig.5 <sup>1</sup>H NMR spectrum of TMAC/PAA(1:2) (TFA)

S.Fig.6

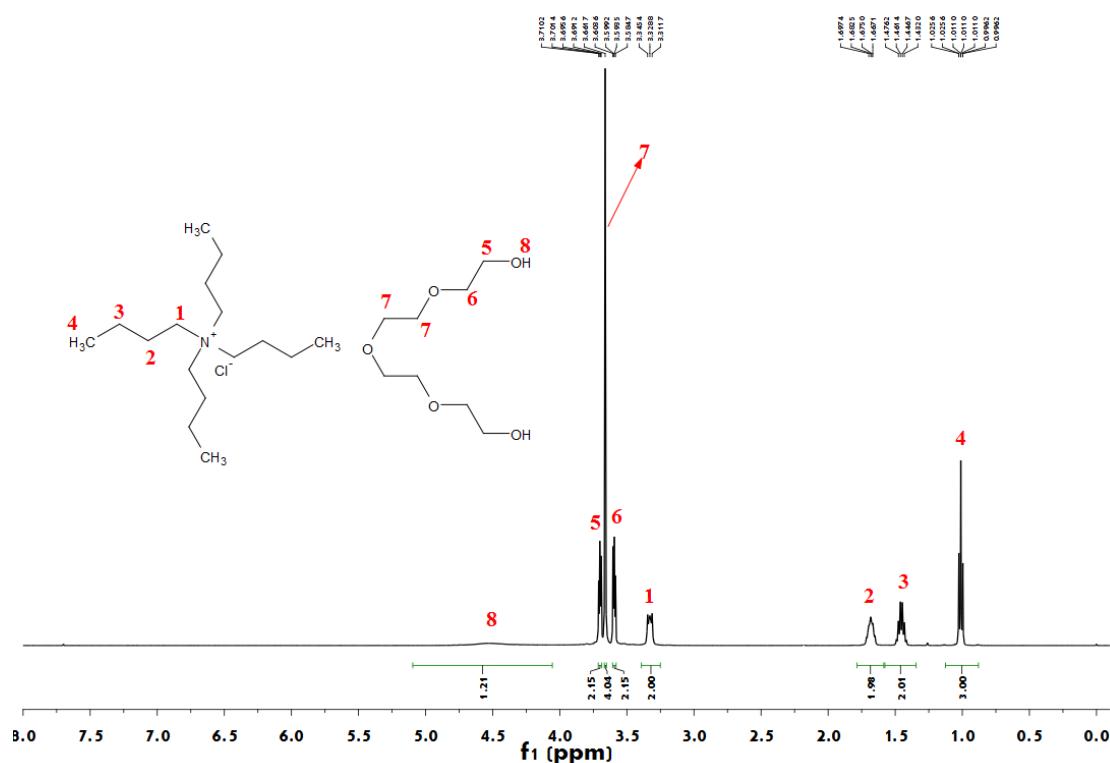


Fig.6  $^1\text{H}$  NMR spectrum of TBAC/TEG(1:2) ( $\text{CDCl}_3$ )

S.Fig.7

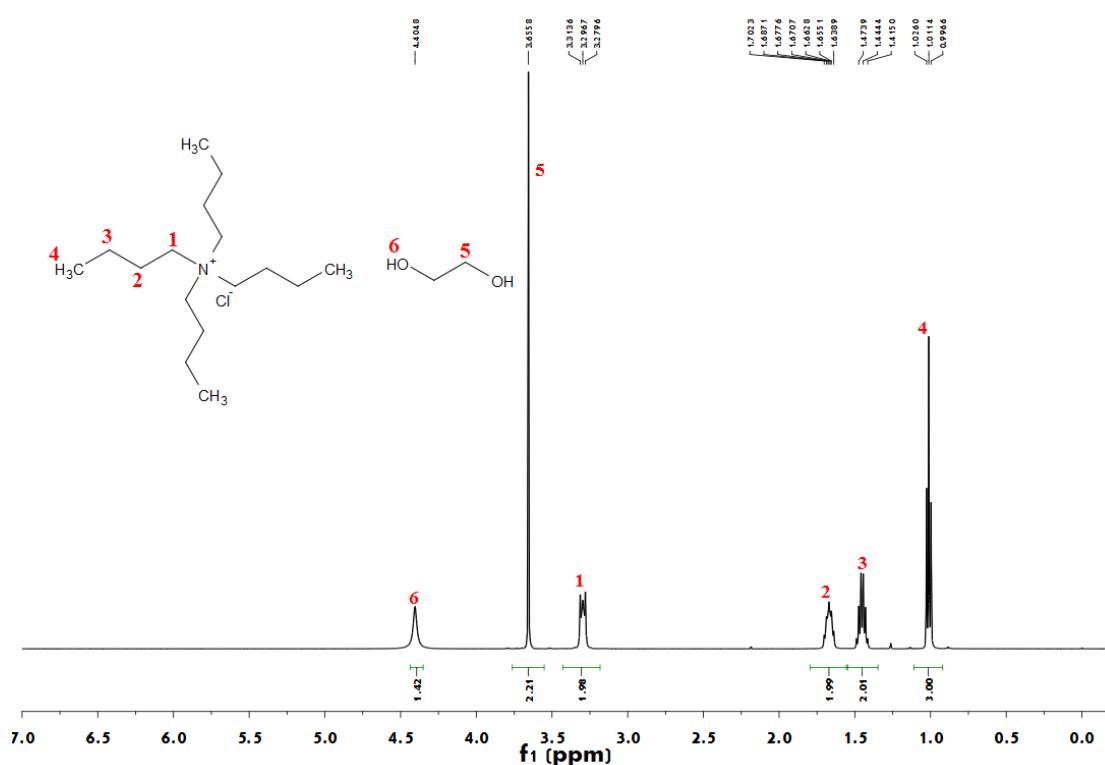


Fig.7  $^1\text{H}$  NMR spectrum of TBAC/EG(1:2) ( $\text{CDCl}_3$ )

S.Fig.8

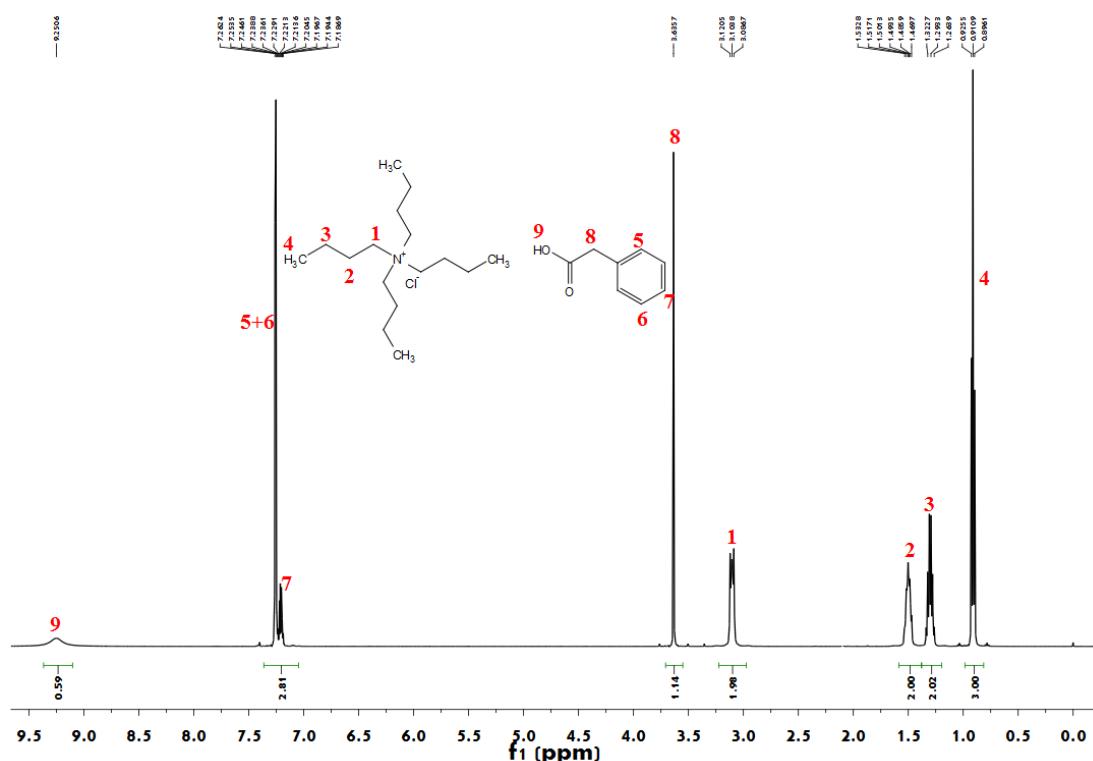


Fig.8  $^1\text{H}$  NMR spectrum of TBAC/PAA(1:2) ( $\text{CDCl}_3$ )

S.Fig.9

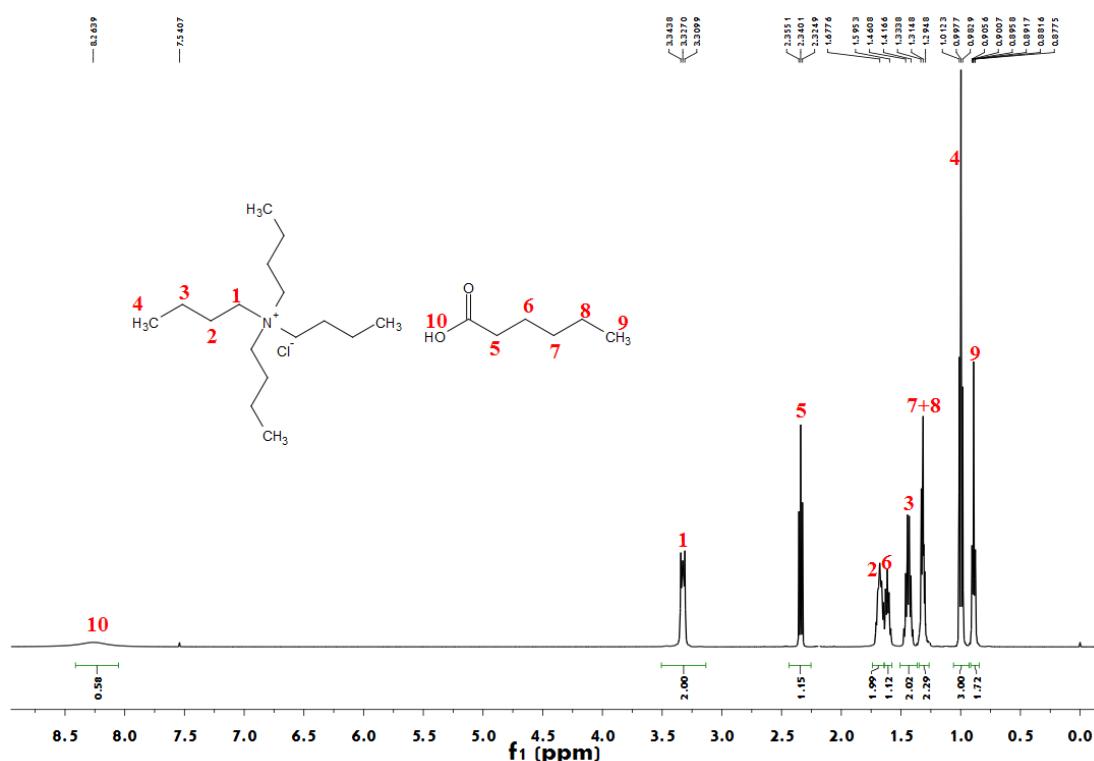


Fig.9  $^1\text{H}$  NMR spectrum of TBAC/Caproic acid (1:2) ( $\text{CDCl}_3$ )

S.Fig.10

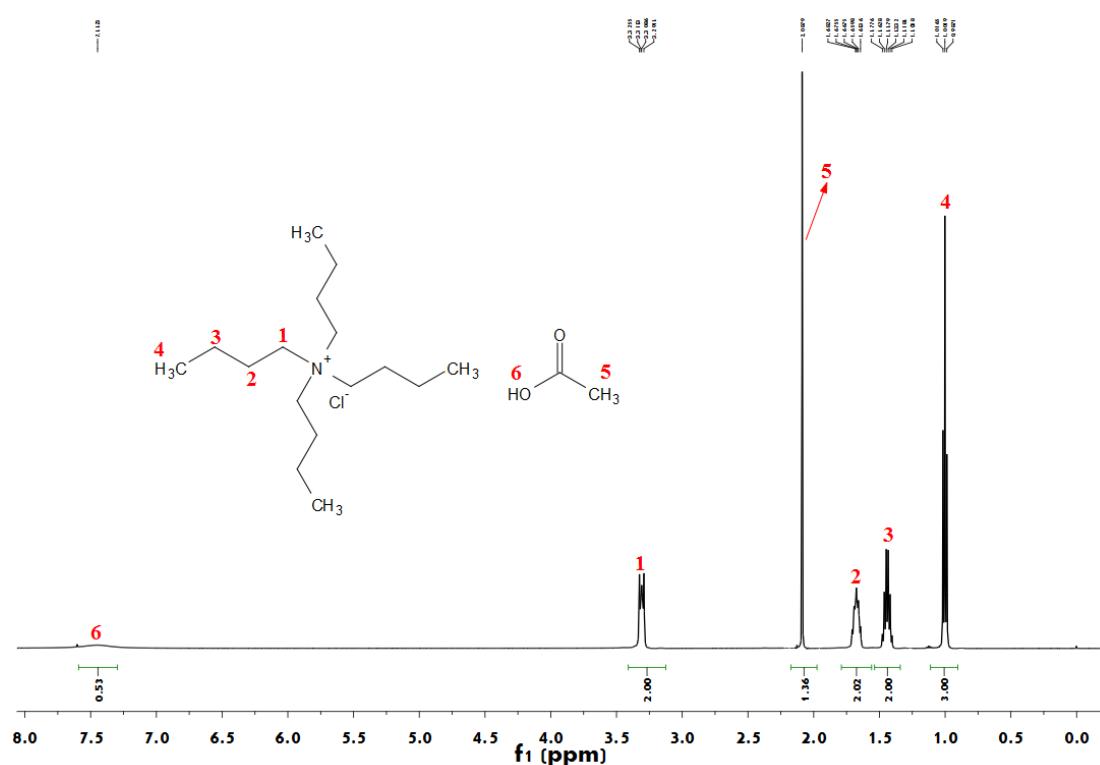


Fig.10  $^1\text{H}$  NMR spectrum of TBAC/Acetic acid (1:2) ( $\text{CDCl}_3$ )

S.Fig.11

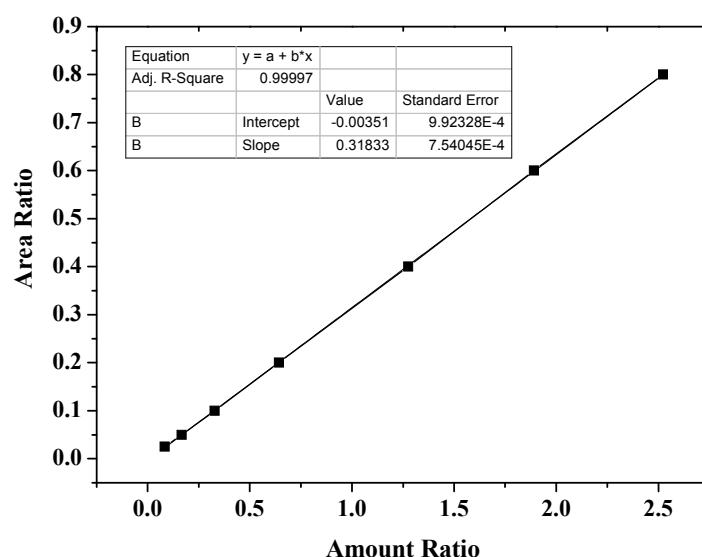


Fig.11 Analysis of standard curve

S.Fig.12

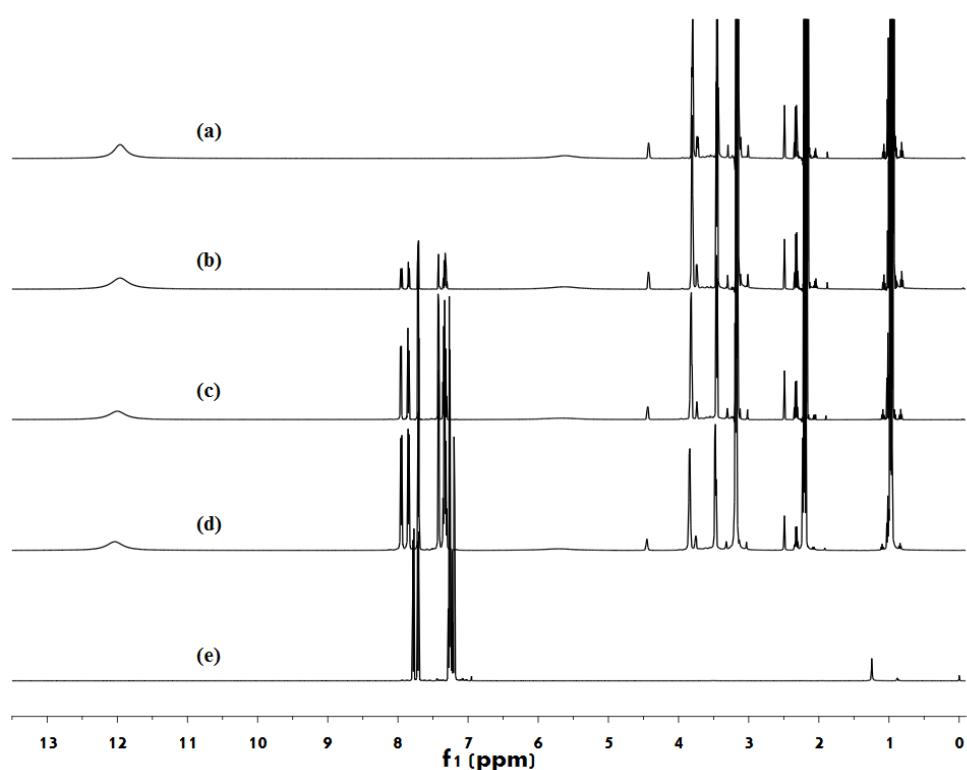


Fig.12 The  $^1\text{H}$  NMR of different molar ratio (ChCl+Pr/BT)  
(a) 1:0 (b) 1: 0.1 (c) 1: 0.5 (d) 1: 1 (e) 0:1