Electronic Supporting Material

Evaluation of Corrosion Inhibition Performance of a Novel Ionic Liquid Based on Synergism Between Cation and Anion

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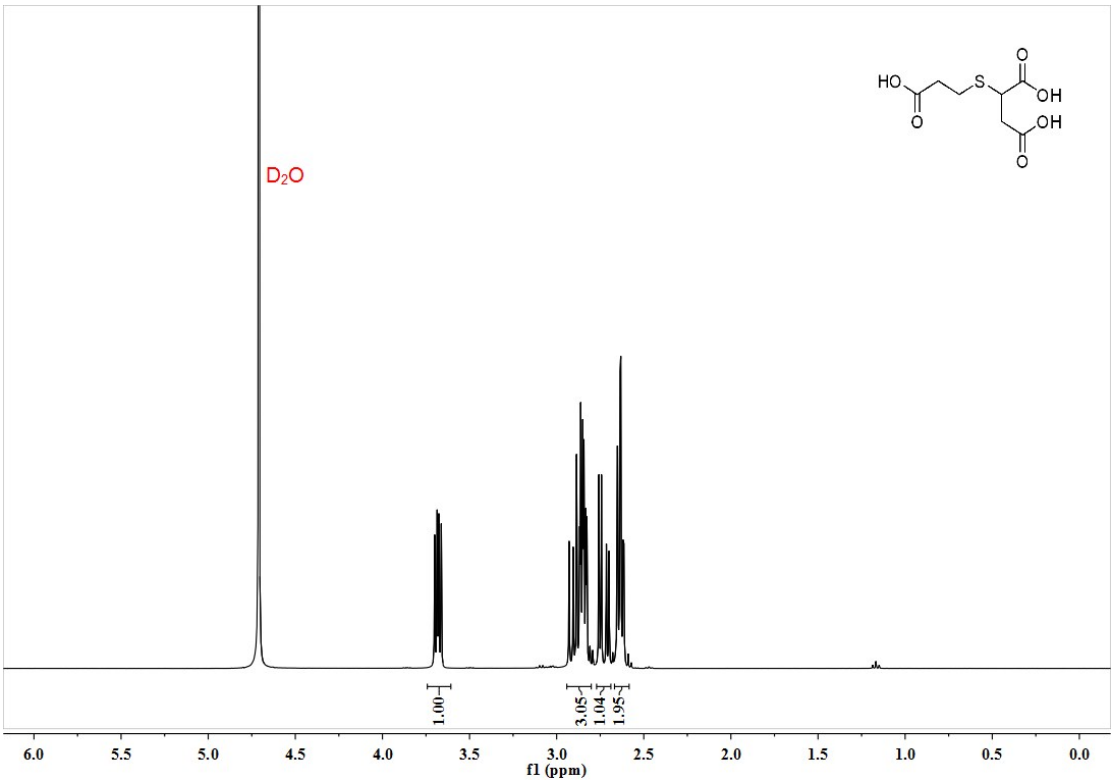

Fig. S1. ^{1}H NMR spectrum of CETSA

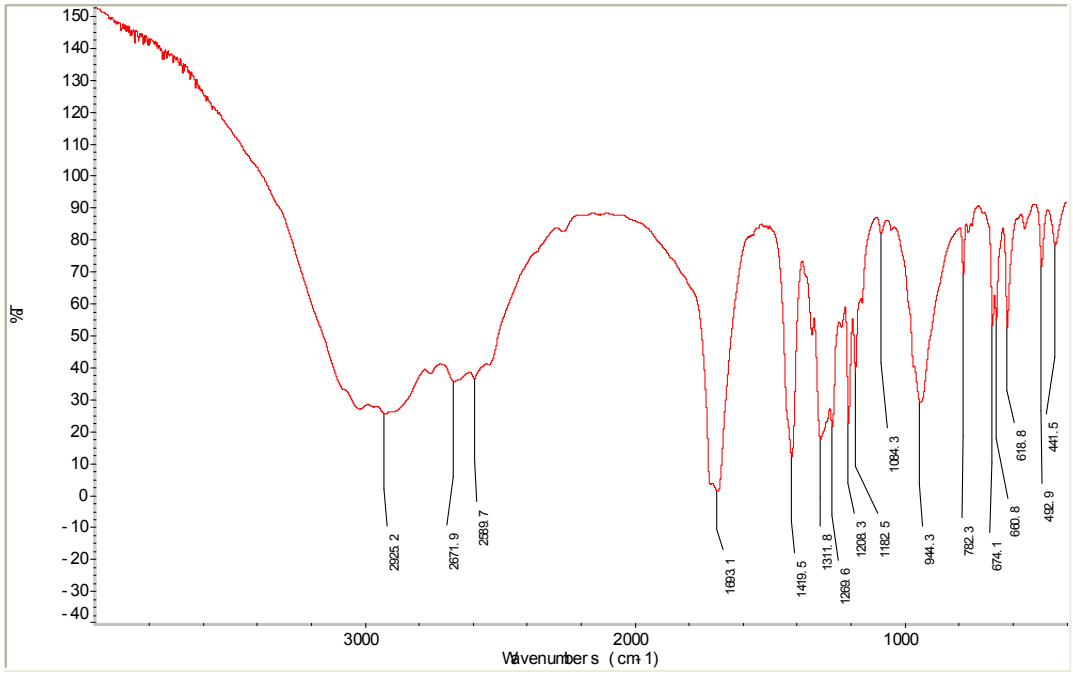

Fig. S2. IR spectrum of CETSA

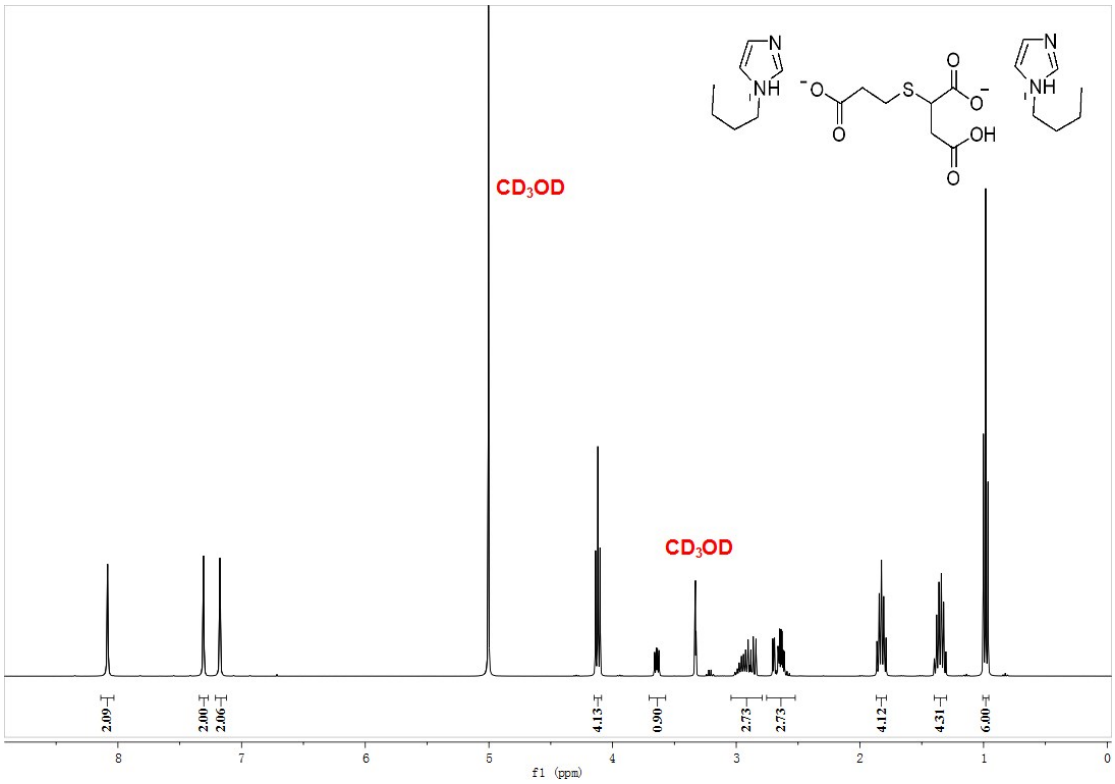

Fig. S3. ^{1}H NMR spectrum of [Bhim]CETSA

Table S1. The relevant calculation data of E_a

Slope	E_a **(kJ·mol^{-1})**	**Intercept**	A
-8.9825	74.68051	31.743	6.10674×10^{13}
-11.6698	97.02272	38.9902	8.57489×10^{16}
-11.4005	94.78376	37.8477	2.73557×10^{16}
-12.2607	101.9355	40.4539	3.706×10^{17}
-12.4744	103.7122	41.0429	6.6789×10^{17}