Supplementary Information

Selective removal of alkynes from diene mixtures using etherfunctionalized Cu(I)-containing ionic liquids as extractants[†]

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Fig. S1 A photograph of the equipment used for the alkyne extraction experiments.

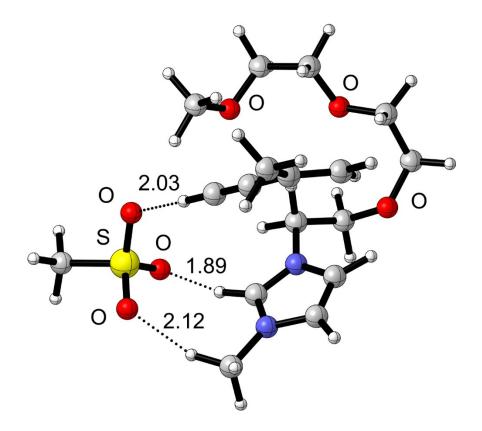


Fig. S2 Optimized microstructures showing the interaction of E_3A with IPA ($\Delta H = -0.5$ kcal mol⁻¹),

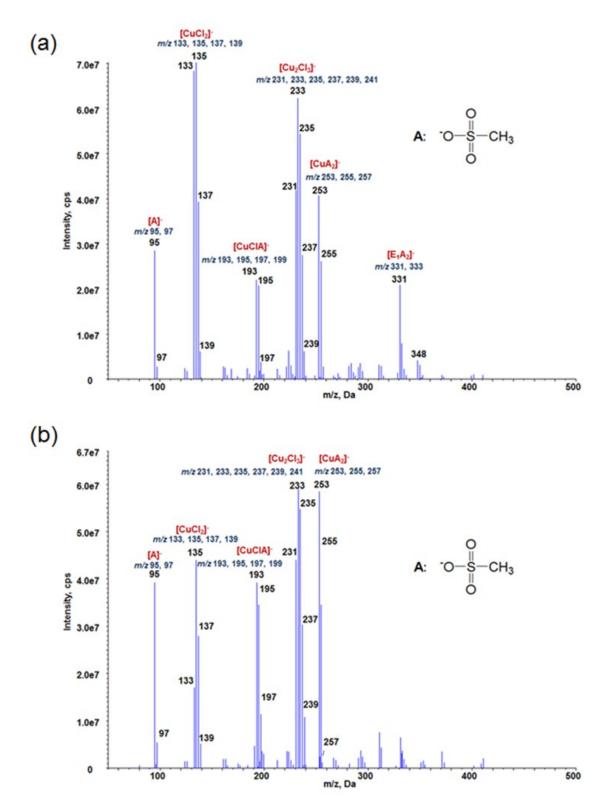


Fig. S3 FAB-mass spectra of (a) Cu- E_1A (molar ratio of $E_1A/CuCl = 1$) and (b) Cu- E_1A (molar ratio of $E_1A/CuCl = 2$).

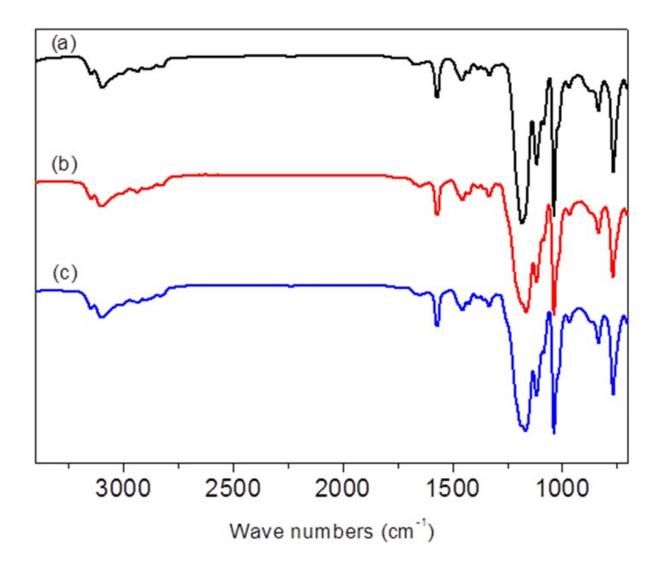


Fig. S4 FT-IR spectra of (a) E_1A , (b) $Cu-E_1A$ (molar ratio of $E_1A/CuCl = 2$), and (c) $Cu-E_1A$ (molar ratio of $E_1A/CuCl = 3$).