

Extraction of lignin from lignocellulose at atmospheric pressure
using alkylbenzenesulfonate ionic liquid

Suzie S.Y. Tan, Douglas R. MacFarlane, Jonathan Upfal, Les Edye, Bill Doherty,
Antonio F. Patti and Janet L. Scott.

Supplementary Information

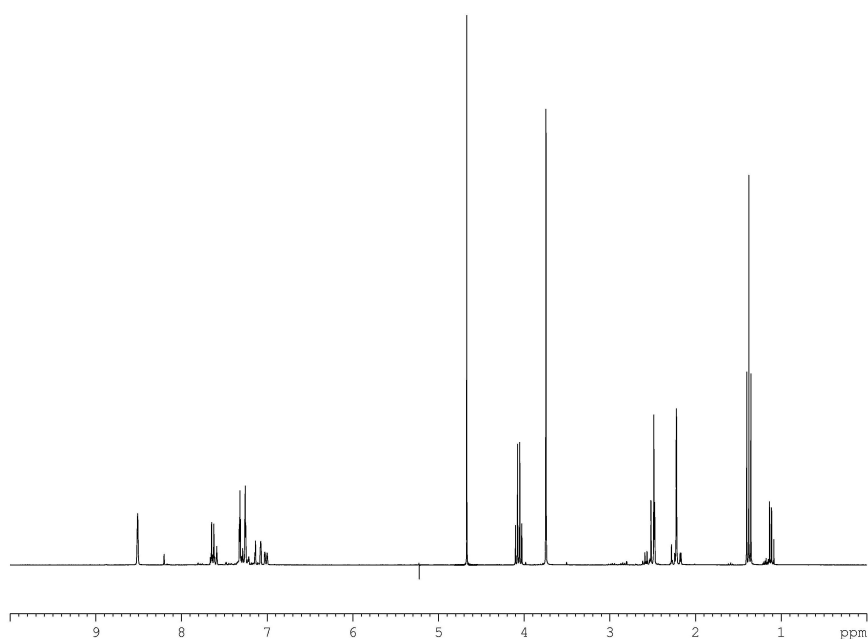


Fig. 1 ^1H NMR spectrum of [C₂mim][ABS] before reaction

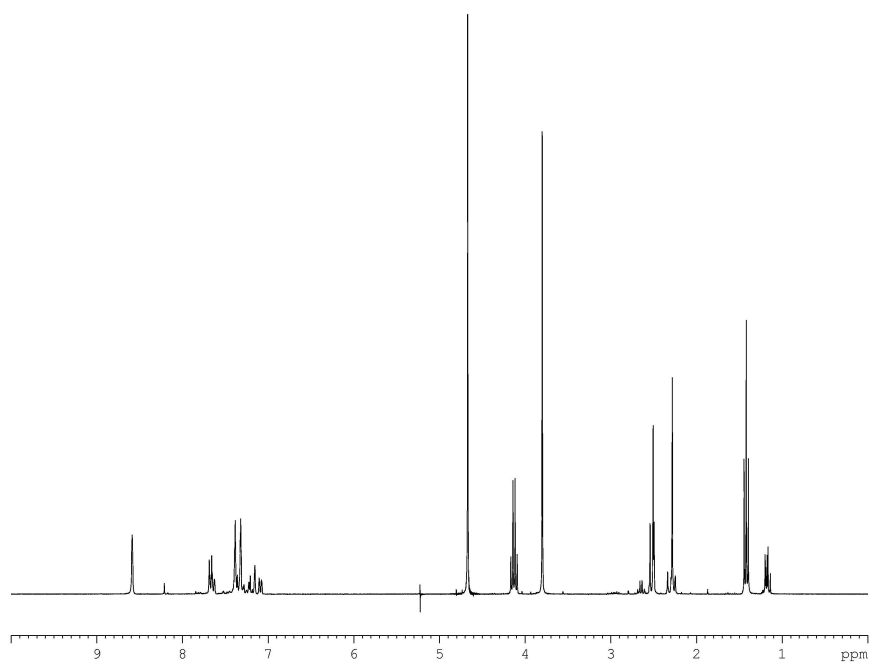


Fig. 2 ^1H NMR spectrum of $[\text{C}_2\text{mim}][\text{ABS}]$ after lignin extraction (190 °C, 120 min) and regeneration of ionic liquid