Supporting Information

Polymeric Ionic Liquid Nanogel Anchored Tungstate Anions: A Robust Catalyst for Oxidation of Sulfides to Sulfoxides

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Data for selected compounds:

(Table 2, Entry 1) diphenyl sulfoxide:

^1^H NMR (400 MHz, CDCl\textsubscript{3}) δ (ppm): 7.46 (m, 3H), 7.64 (m, 2H).

FT-IR ν(S=O): 1047 cm\textsuperscript{-1}.

Ms (70 ev): m/e: M\textsuperscript{+}: 201

CHNS: calculated (C\textsubscript{12}H\textsubscript{10}OS): C 71.0%, H 4.95%, S 15.84%. Found: C 71.41%, H 5.14 %, S 15.72%.

(Table 2, Entry 2) phenyl methyl sulfoxide:

^1^H NMR (400 MHz, CDCl\textsubscript{3}) δ (ppm): 2.69 (s, 3H), 7.50 (m, 3H), 7.60 (m, 2H).

FT-IR ν(S=O): 1044 cm\textsuperscript{-1}.

Ms (70 ev): m/e: M\textsuperscript{+}: 153

CHNS: calculated (C\textsubscript{7}H\textsubscript{8}OS): C 60.0%, H 5.71%, S 22.85%. Found: C 60.13%, H 5.91 %, S 22.83%.
(Table 2, Entry 3) phenylethyl sulfoxide:

$^1$H NMR (400 MHz, CDCl$_3$) δ (ppm): 1.12 (t, 3H), 2.73 (m, 1H), 2.84 (m, 1H), 7.53 (m, 3H), 7.61 (d, 2H).

FT-IR ν(S=O): 1042 cm$^{-1}$.

Ms (70 ev): m/e: M$^+$: 153

CHNS: calculated (C$_8$H$_{10}$OS): C 62.3%, H 6.49%, S 20.78%. Found: C 62.25%, H 6.63 %, S 20.70%.