# Supporting Inforamtion

## 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, $CDCl_3$) δ (ppm): 7.46 (m, 3H), 7.64 (m, 2H).

FT-IR ν(S=O): 1047 $cm^{-1}$.

Ms (70 ev): m/e: $M^+$: 201

CHNS: calculated ($C_{12}H_{10}OS$): 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, $CDCl_3$) δ (ppm): 2.69 (s, 3H), 7.50 (m, 3H), 7.60 (m, 2H).

FT-IR ν(S=O): 1044 $cm^{-1}$.

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

CHNS: calculated ($C_7H_8OS$): 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 ($C_8H_{10}OS$): C 62.3%, H 6.49%, S 20.78%. Found: C 62.25%, H 6.63 %, S 20.70%.