**Acetic acid functionalized ionic liquids systems: An efficient an recyclable catalyst for the regioselective ring opening of epoxides with NaN3**

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1-Azido-3-phenoxy-2-propanol: IR νmax/cm-1: 2103 (N3); 1H NMR (CDCl3, 400 MHz): δ = 3.45-3.54 (2H, m), 3.89 (1H, m), 3.97-4.03 (2H, m), 4.18 (1H, s), 6.95-7.00 (m, 2H), 7.02-7.06 (m, 1H), 7.27-7.36 (m, 2H); 13C NMR (CDCl3, 100 MHz):δ = 53.5, 69.2, 69.3, 114.3, 121.1, 129.4, 158.3.

2-Azido-2-phenyl-1-ethanol: IR νmax/cm-1: 2102 (N3); 1H NMR (CDCl3, 400 MHz): δ = 3.37 (1H, s), 3.74 (2H, m), 4.65-4.69 (1H, m), 7.34-7.44 (5H, m); 13C NMR (CDCl3, 100 MHz):δ = 66.3, 68.0, 127.4, 128.4, 128.6, 136.4

1-Azido-3-butoxy-2-propanol: IR νmax/cm-1: 2102 (N3); 1H NMR (CDCl3, 400 MHz): δ = 0.87 (3H, t), 1.31-1.35 (2H, m), 1.50-1.53 (2H, m), 3.14 (1H, s), 3.30-3.32 (2H, m), 3.39-3.44 (4H, m), 3.87 (1H, m);13C NMR (CDCl3, 100 MHz):δ = 13.78, 19.16, 30.74, 53.52, 69.74, 70.59, 70.71.

**IR spectrum of *1-Azido-3-butoxy-2-propanol* (Table 3, Entry 11)**

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**1H-NMR spectrum of *1-Azido-3-butoxy-2-propanol* (Table 3, Entry 11)**



**13C-NMR spectrum of *1-Azido-3-butoxy-2-propanol* (Table 3, Entry 11**

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