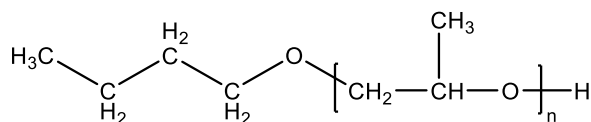


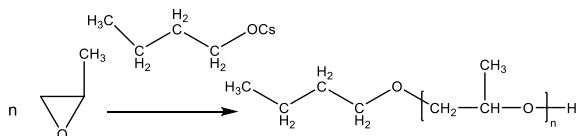
**α -Butyl ether-terminated-poly propylene oxide
or Poly propylene glycol Butyl ether**

Structure:



Mn x 10 ³	PDI
8.0	1.5

Polypropylene oxide is synthesized by anionic polymerization of propylene oxide as illustrated in the reaction scheme:



The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

Polymer purified by passing through Al₂O₃ packed column to remove the catalytic impurities.

P42434Q-PO-OBu

Chemical shift (ppm): 6.5, 6.0, 5.5, 5.0, 4.5, 4.0, 3.5, 3.0, 2.5, 2.0, 1.5, 1.0, 0.5, 0.0, -0.5, -1.0, -1.5, -2.0

Integration values: 3.97, 3.33, 13.00

Chromatogram Plot

