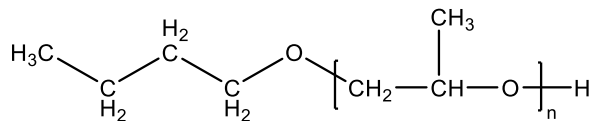


Sample Name: α -Butyl ether-terminated-poly propylene oxide or Poly propylene glycol Butyl ether

Sample #: P42434A-PO-OBu

Structure:

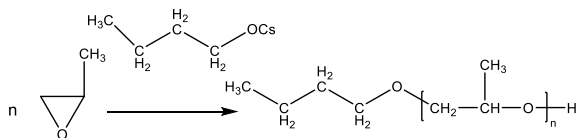


Composition:

Mn x 10 ³	PDI
4.8	1.20

Synthesis Procedure:

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



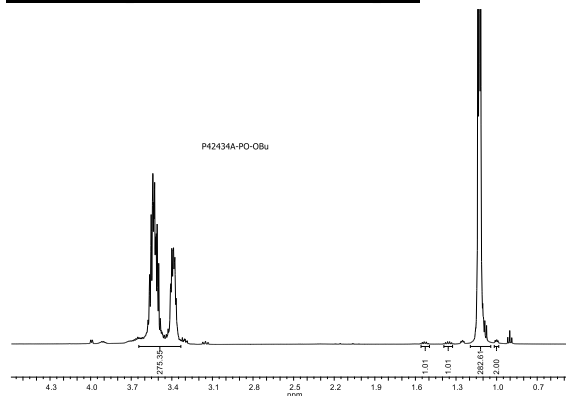
Characterization:

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

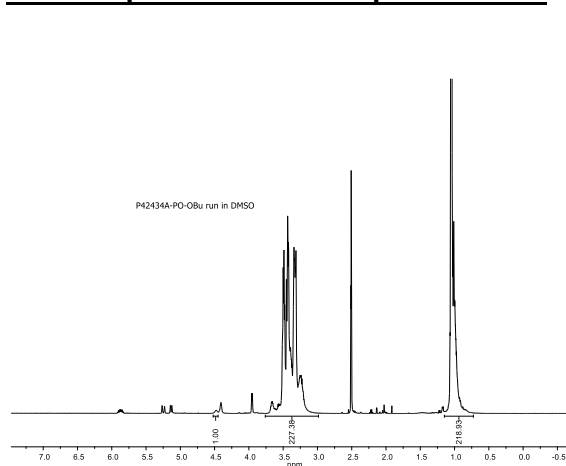
Purification:

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

H NMR spectrum of the Sample:



H NMR spectrum of the Sample in DMSO:



SEC elugram of Homopolymer:

