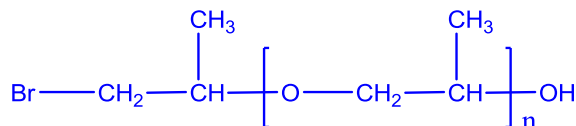


Sample Name:
 **α -Bromo- ω -Hydroxy terminated
 Poly(propylene glycol)**

Sample #: **P6584-POBrOH**

Structure:

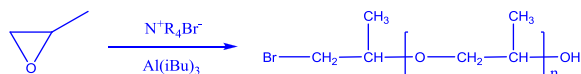


Composition:

$M_n \times 10^3$	PDI
14.0	1.35

Synthesis Procedure:

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



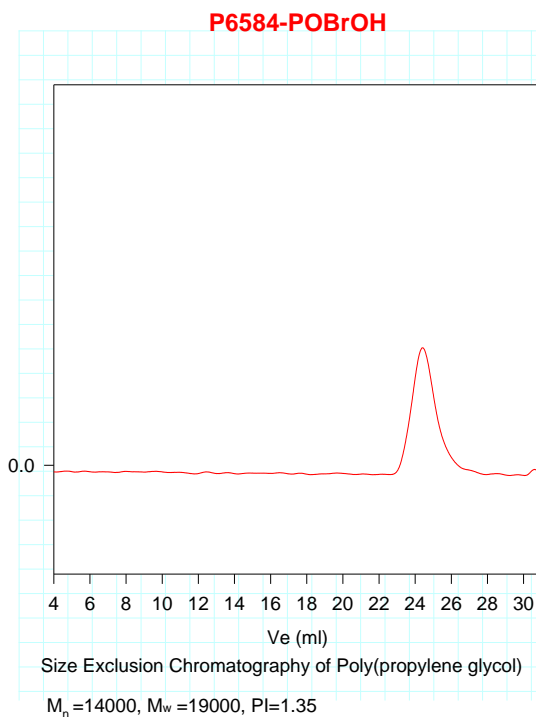
Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

Solubility:

Polymer is soluble in CHCl_3 , methanol, ethanol, THF and toluene.

SEC of the polymer:



^1H NMR for the polymer:

