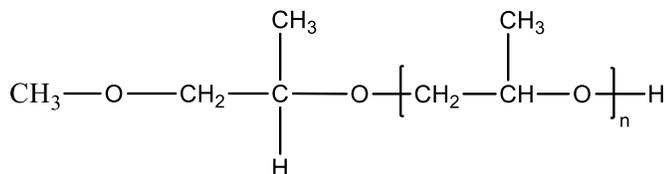


Sample Name: Poly (propylene glycol) methyl ether

H NMR spectrum of the Sample:

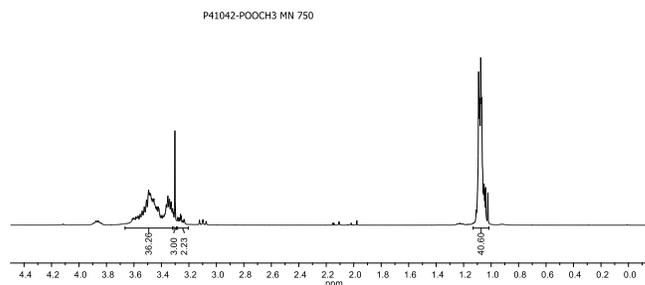
Sample # P41042-POOCH3

Structure:



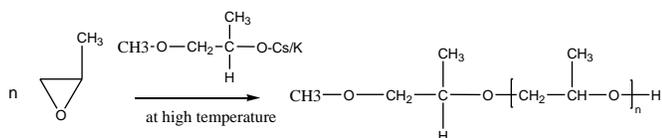
Composition:

$M_n \times 10^3$ (g/mol)	PDI (M_w/M_n)
0.70	1.18



Synthesis Procedure:

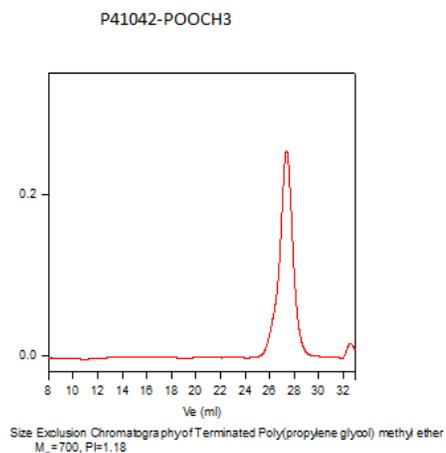
Polypropylene oxide was synthesized by anionic polymerization of propylene oxide as illustrated in the reaction scheme below.



Characterization:

The molecular weight and polydispersity index (PDI) were 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.

SEC elugram of the Sample:



Solubility:

The polymer is soluble in chloroform, methanol, ethanol, THF and toluene.