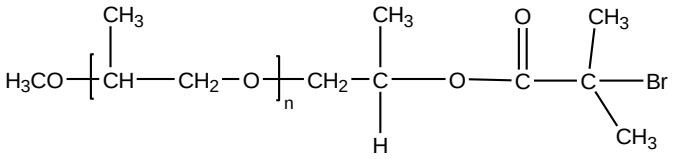
Sample Name:
α- Methoxy ω- Bromo end functionalized Poly(propylene glycol)

Sample #: **P10126A-POOCH3Br**

Structure:



Composition:

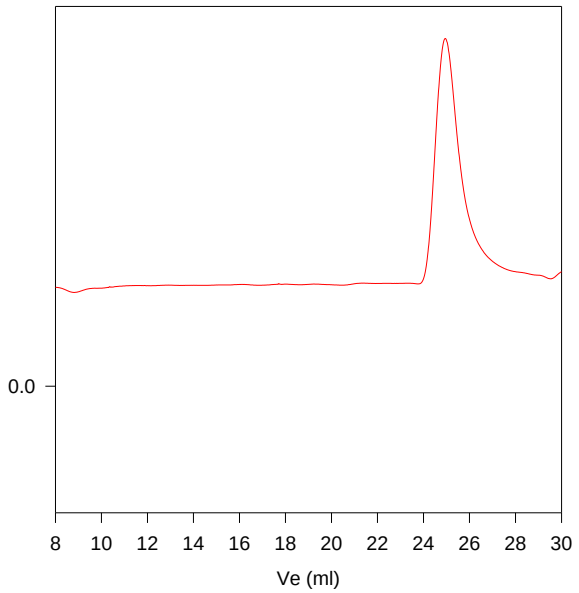
Mn x 10^3	PDI
4.2	1.18

Characterization:

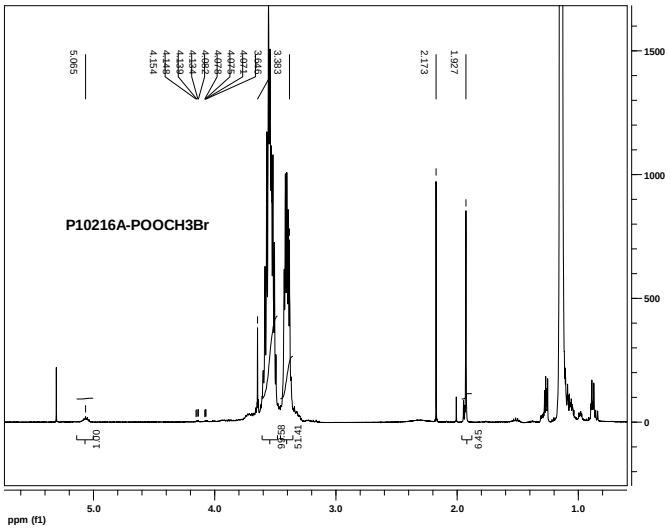
Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The end functionality was calculated from ^{1}H-NMR spectroscopy.

Solubility:
Polymer is soluble in $CHCl_3$, THF, and precipitated out from cold diethyl ether.

SEC of the polymer before reacting with bromo isobutyryl bromide



Size Exclusion Chromatography of Poly(propylene glycol)methyl ether:

M_n =4200, M_w =5000, PI=1.18

HNMR of the Product: