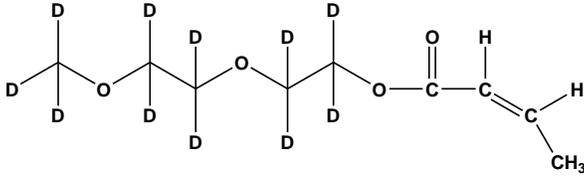


Sample Name: Methacrylate end functionalized Deuterated Poly (ethylene glycol) methyl ether

Sample #: P41242B-dmPEG-Methacrylate

Structure:



Composition:

Mn x 10 ³	PDI
2.6	1.18

Synthesis Procedure:

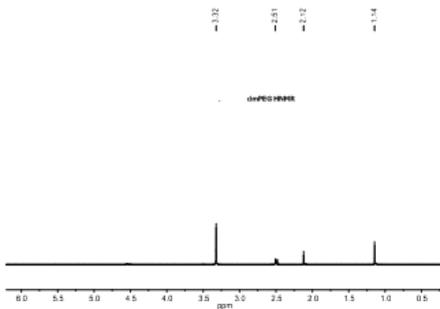
Methacrylate end functionalized Deuterated Poly (ethylene glycol) methyl ether is obtained by living anionic polymerization process.

Characterization:

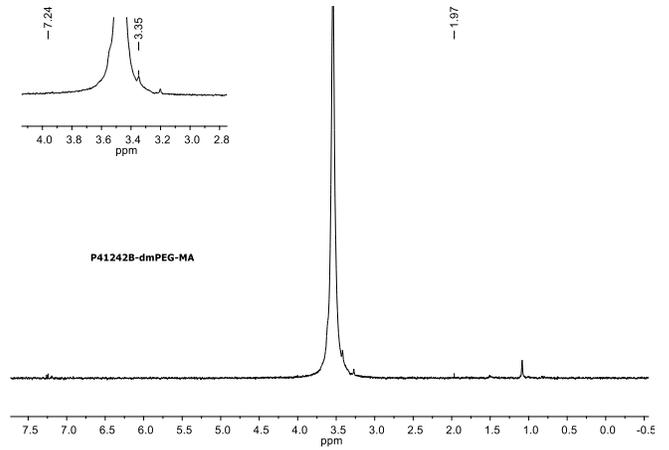
The product was characterized by size exclusion chromatography (SEC), elemental analysis and ¹H- DNMR.

Potassium analysis was done by GLI Procedure ME-70 Galbraith K<24 ppm

¹HNMR spectrum of the Polymer:

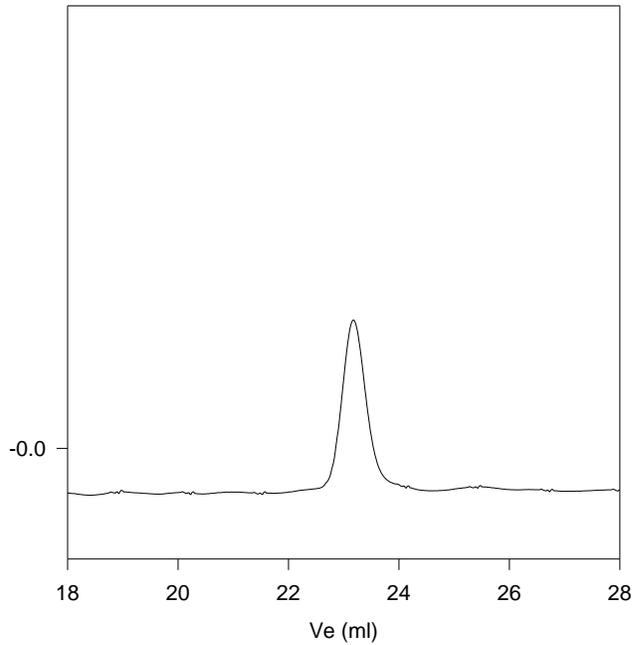


D NMR spectrum of the polymer:



SEC elugram of Sample:

P41242B-dmPEG-MA



Size exclusion chromatograph of Polymer:

M_n=2,600, M_w=3,100, PI=1.18