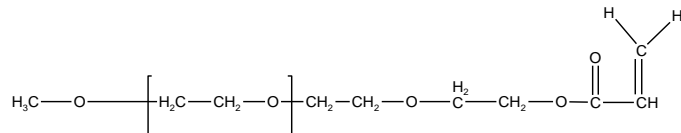


Sample Name: α -Methoxy-, ω -Acrylate-end functionalized Poly (ethylene glycol); or Poly (ethylene glycol) methyl ether acrylate

Sample #: P16125-mPEGacrylate

Structure:



Composition:

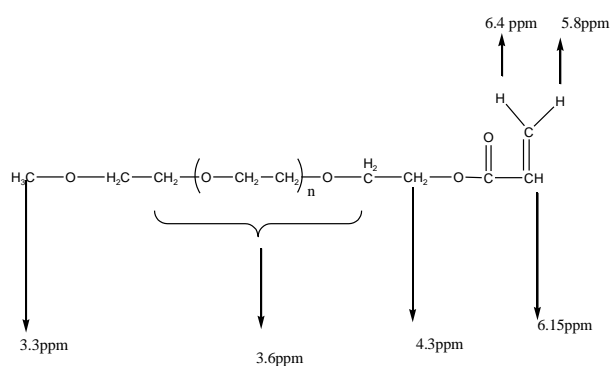
Mn x 10 ³	PDI	Functionality (Acrylate)
0.9	1.12	> 98%

Characterization:

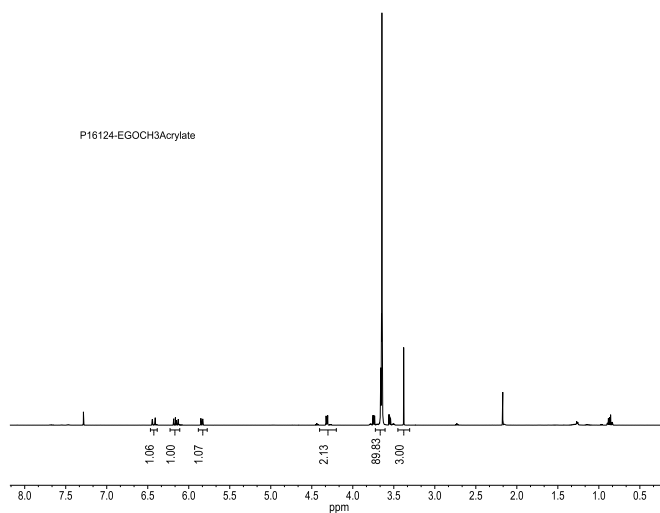
The polymer was characterized by SEC and ¹H NMR.

Solubility:

The Polymer is soluble in water, methanol, ethanol, THF, CHCl₃. It precipitates from cold ethanol, isopropanol, hexane, ether.

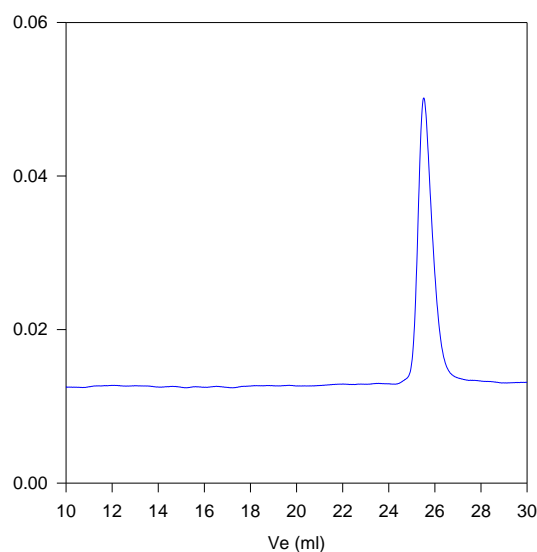


¹H NMR spectrum of mPEG-Acrylate:



SEC elugram of mPEG polymer used in the synthesis before converting terminal -OH group into acrylate:

P16125-EGOCH3Acrylate



Size Exclusion Chromatography of Poly(ethylene glycol) monomethylether-acrylate

M_n = 900, M_w = 1,000, M_w/M_n = 1.12