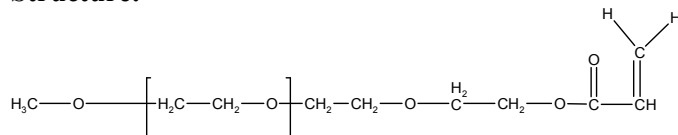


Sample Name: α -Methoxy-, ω -Acrylate-end functionalized Poly (ethylene glycol); or Poly (ethylene glycol) methyl ether acrylate

Sample #: P16126-mPEGacrylate

Structure:



Composition:

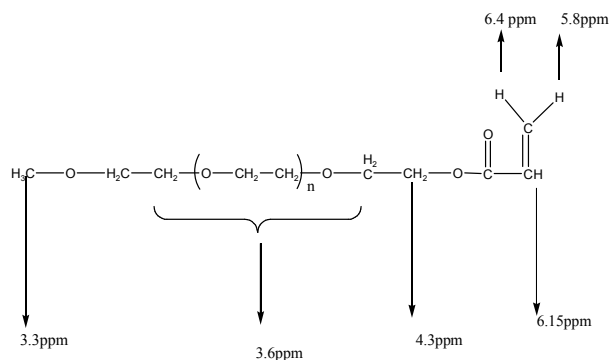
Mn x 10 ³	PDI	Functionality (Acrylate)
10.5	1.09	> 98%

Characterization:

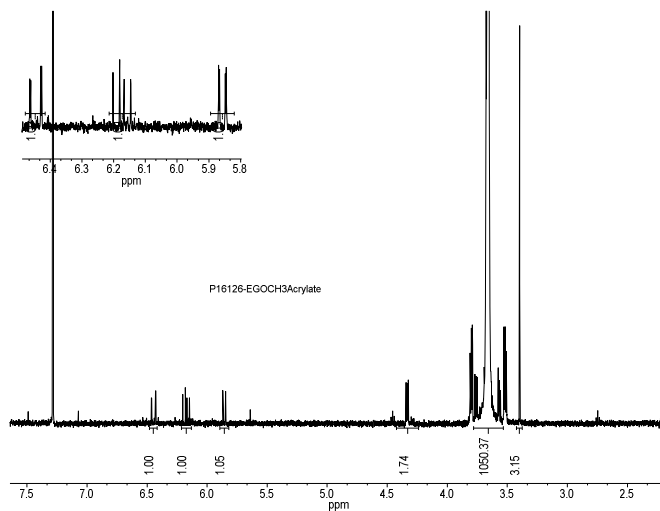
The polymer was characterized by SEC and ¹H NMR.

Solubility:

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



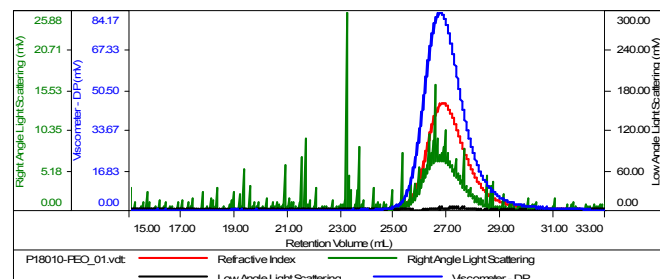
¹H NMR spectrum of mPEG-Acrylate:



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

Sample ID: P19010-PEO

Concentration (mg/mL)	2.3916
Sample dn/dc (mL/g)	0.0570
Method File	PS80K-NOV27-2014-0001.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P18010-PEO_01.vcl	10,635	11,609	11,601	1.092	1.3823