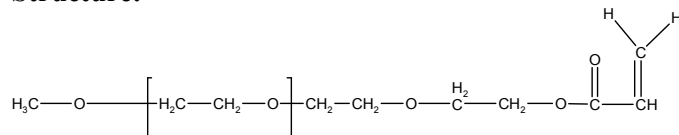


**Sample Name:**  $\alpha$ -Methoxy-,  $\omega$ -Acrylate-end functionalized Poly (ethylene glycol); or Poly (ethylene glycol) methyl ether acrylate

**Sample #:** P16126C-mPEGacrylate

**Structure:**



**Composition:**

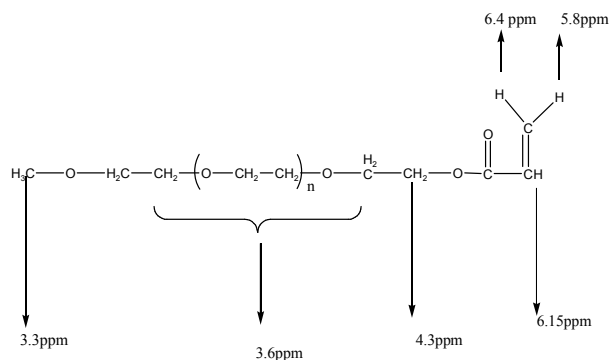
Mn x 10 <sup>3</sup>	PDI	Functionality (Acrylate)
10.5	1.09	> 98%

**Characterization:**

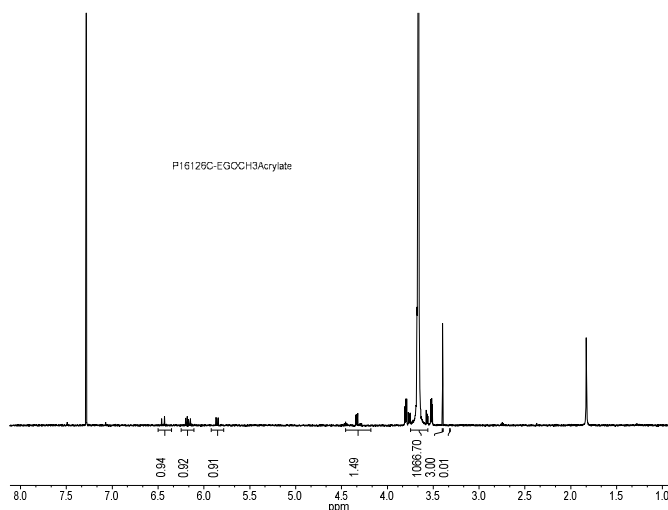
The polymer was characterized by SEC and <sup>1</sup>H NMR.

**Solubility:**

The Polymer is soluble in water, methanol, ethanol, THF, CHCl<sub>3</sub>. It precipitates from cold ethanol, isopropanol, hexane and ether.



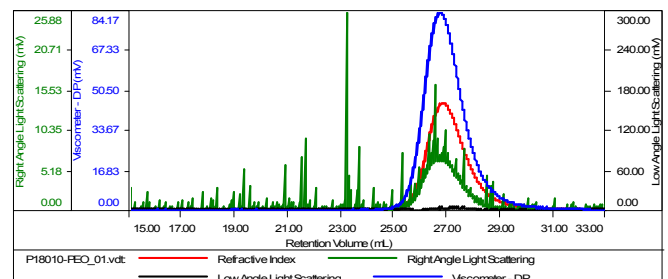
**<sup>1</sup>H NMR spectrum of mPEG-Acrylate:**



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

Sample ID: P18010-PEO

Concentration (mg/mL)	2.3916
Sample dn/dc (mL/g)	0.0570
Method File	PS80K-NDV27-2014-0001.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