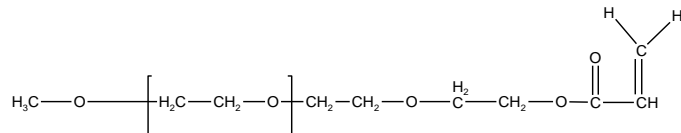


**Sample Name:**  $\alpha$ -Methoxy-,  $\omega$ -Acrylate-end functionalized Poly (ethylene glycol); or Poly (ethylene glycol) methyl ether acrylate

**Sample #:** P16124-mPEGacrylate

**Structure:**



**Composition:**

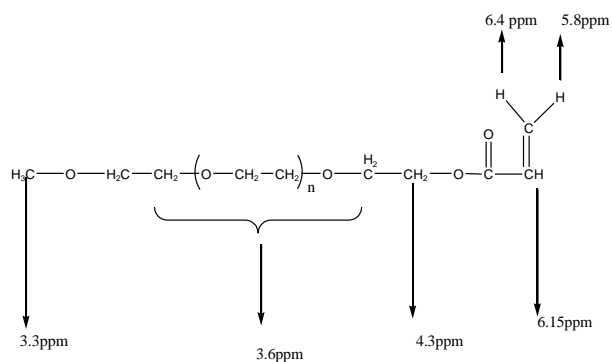
Mn x 10 <sup>3</sup>	PDI	Functionality (Acrylate)
2.0	1.10	> 98%

**Characterization:**

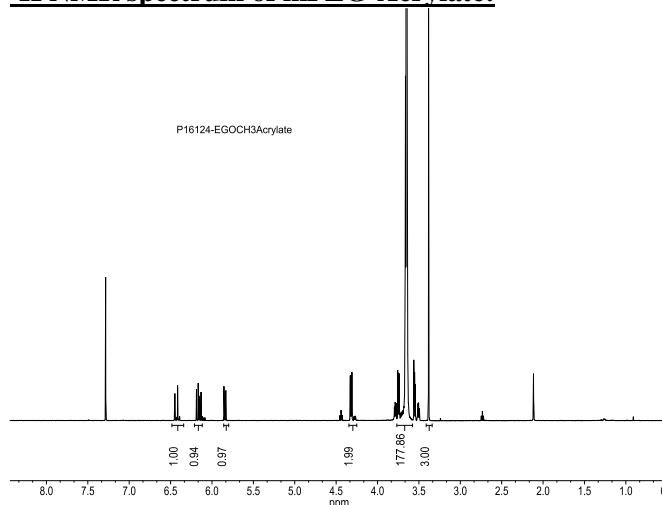
The polymer was characterized by SEC and <sup>1</sup>H NMR.

**Solubility:**

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

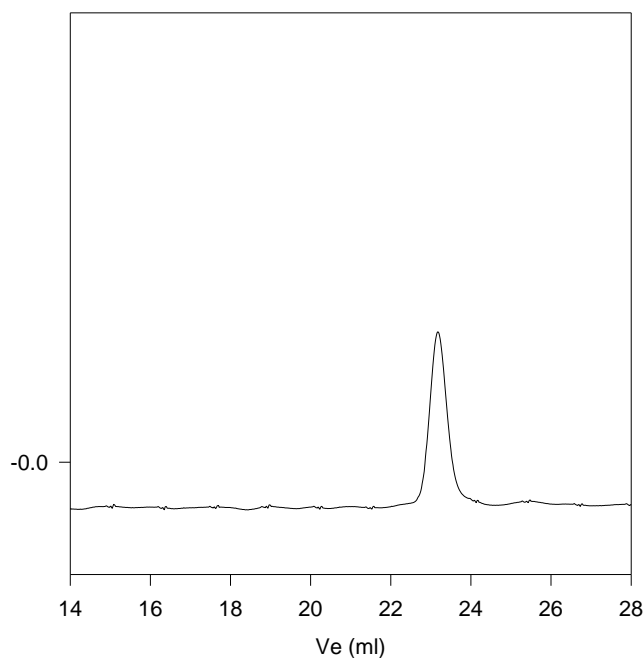


**<sup>1</sup>H NMR spectrum of mPEG-Acrylate:**



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

**P16124-EGOCH3Acrylate**



Size exclusion chromatograph of polymer

M<sub>n</sub>=2000, M<sub>w</sub>=2200 PI=1.10