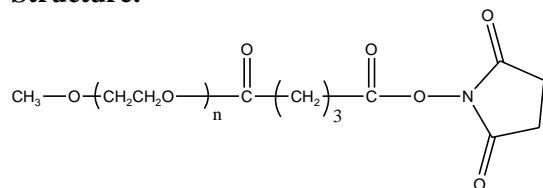


Sample Name: Succinimidyl Glutarate Terminated Poly(ethylene glycol) methyl ether

Sample #: P40687-EGSG

Structure:

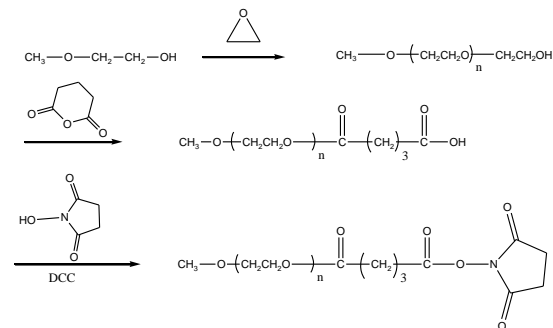


Composition:

Mn (x1000)	PDI
5.0	1.09

Synthesis Procedure:

The following reaction scheme shows how the product was prepared:



Characterization:

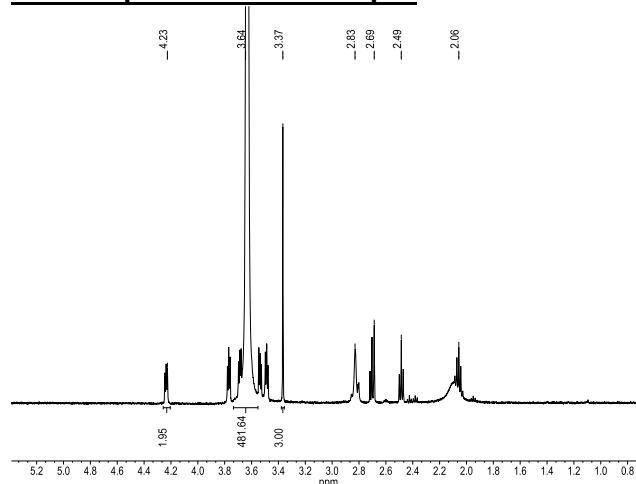
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Functionality: Functionality of the polymer was determined by H NMR analysis or FT-IR spectroscopy.

Slubility:

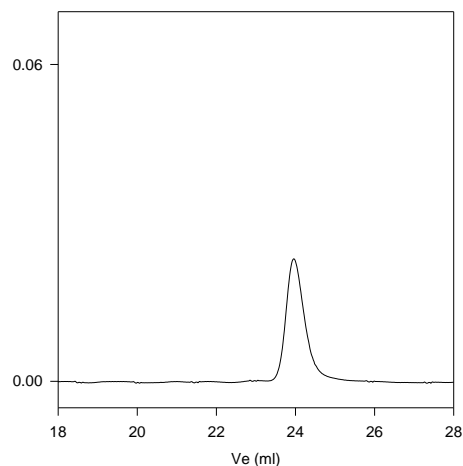
Polymer is soluble in water, methanol and ethanol, THF, CHCl₃. It is precipitated out from cold isopropanol, hexane and ether.

HNMR spectrum of the Sample:



SEC elugram of Sample:

P40687-mPEG-SG



Size Exclusion Chromatography of Polymer

M_n=5,000, M_w=5,500, PI=1.09

FT-IR of Sample:

