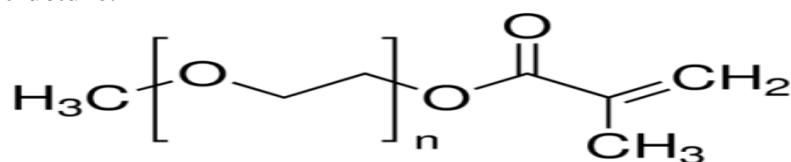


Sample Name: Poly(ethylene glycol) methylether methacrylate
CAS: 26915-72-0
contains < 300ppm monomethyl ether Hydroquinone as stabilizer

Alternate Name: Methoxy PEG methacrylate, Methoxy poly(ethylene glycol) monomethacrylate, Poly(ethylene glycol) monomethyl ether -monomethacrylate

Sample # P44436-mPEG-MA

Structure:



Composition:

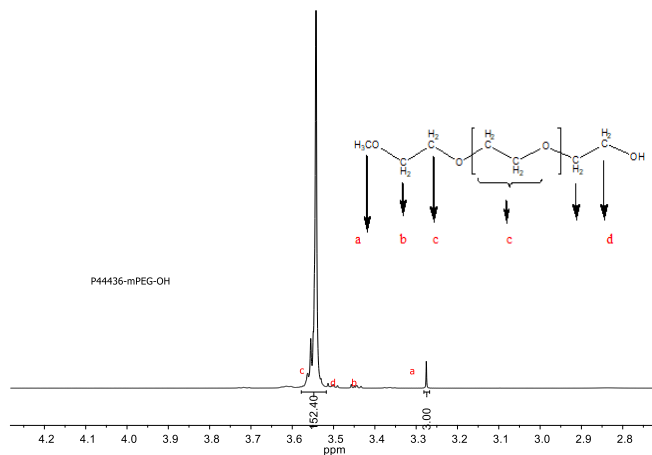
Molecular weight (g/mol):	$M_n = 1600$ (HNMR)
Mw/Mn	<1.09,m

Characterization:

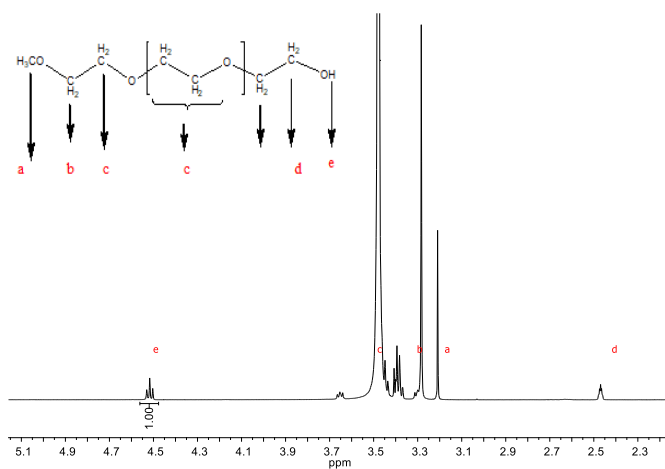
Functionality and molecular weight of the polymer were determined by ^1H NMR spectroscopy.

^1H NMR spectrum for mPEG Sample:

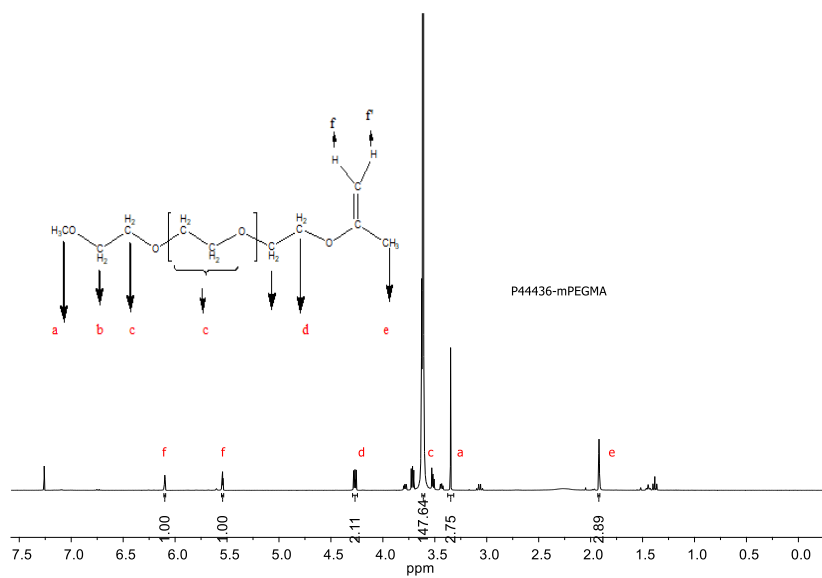
A. For mPEG



B. For mPEG run in DMSO;



^1H NMR spectrum for the Sample:

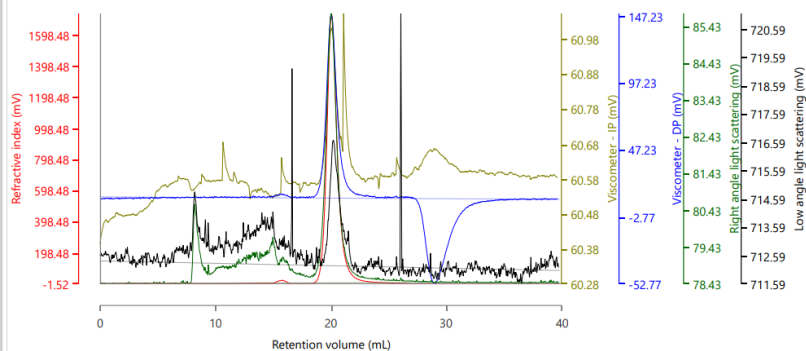


Polymer Source

Malvern Panalytical



Raw Data Chart



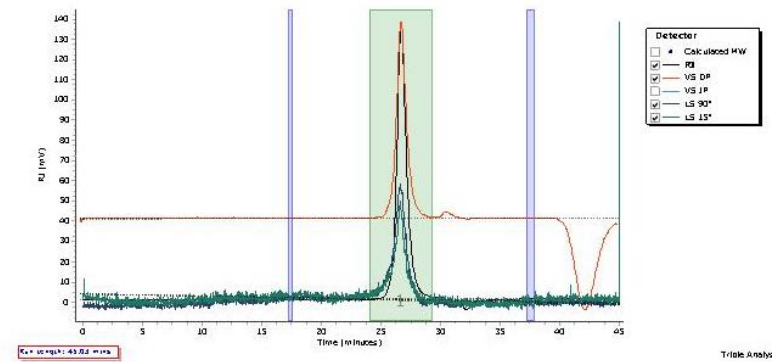
Results (Rows)

Injection Name	RV (mL)	Mn (g/mol)	Mw (g/mol)	Mp (g/mol)	Mz (g/mol)	Mw/Mn
P44436, Injection 1, Peak 1	20.05	1,793	1,849	1,674	1,996	1.031

GPC in THF

Chromatogram Plot

P44436-mPEG-MA



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Me (g/mol)	PD
Peak 1	1839	1644	1797	1942	2102	1685	1.093