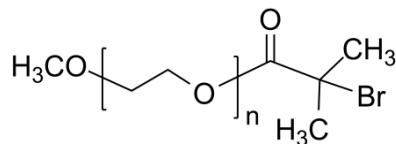


Sample Name: Bromo end functionalized Poly (ethylene glycol) methyl ether

Sample #: P41474-EGOCH3Br

Structure:

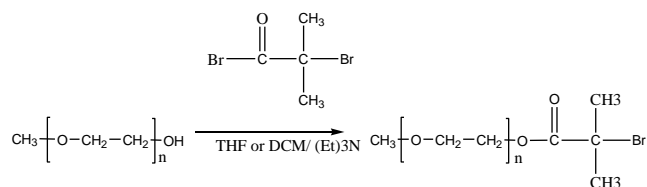


Composition:

Mn x 10 ³	PDI
41.0	1.08
Functionality Br	>99%

Synthesis Procedure:

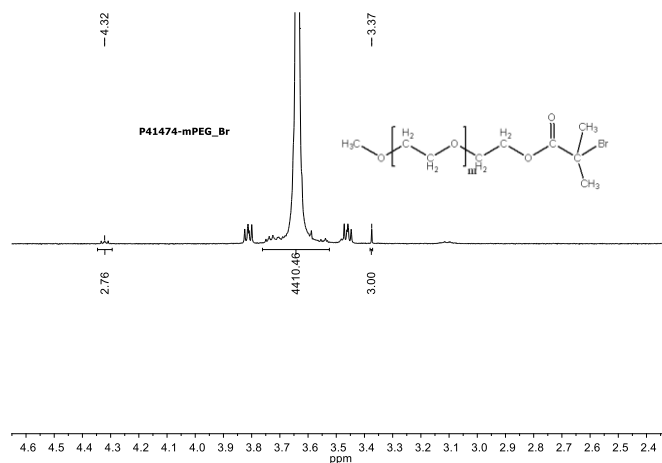
Bromo terminated Poly(ethylene glycol methyl ether) was prepared by reaction of OH terminated PEG with α -Bromoisobutyryl bromide in DCM or in THF in the presence of triethyl amine. The scheme of the reaction is illustrated below.



Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.

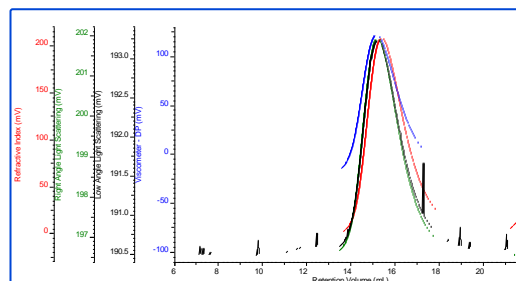
HNMR Spectrum of the mPEG-Br Sample:



SEC profile of the Sample:

P41474-EO-RAFT

dn/dc	0.0350
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA64K-Oct2018-0008.vcm



Sample	Mn	Mw	Mz	IV	Mw/Mn
P41474_1_2018-11-16	40,735	43,916	49,656	0.3985	1.078