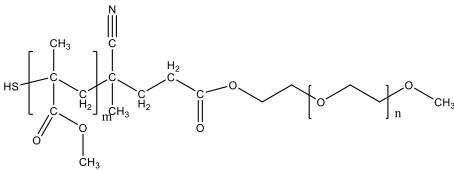


Sample Name: α -Methoxy- ω -thiol terminated Poly (ethylene oxide-b-Methylmethacrylate)

Sample #: P42849-EGMMA-SH

Structure:

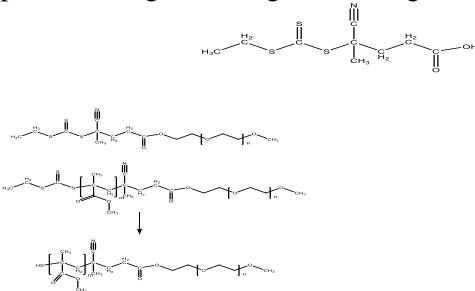


Composition:

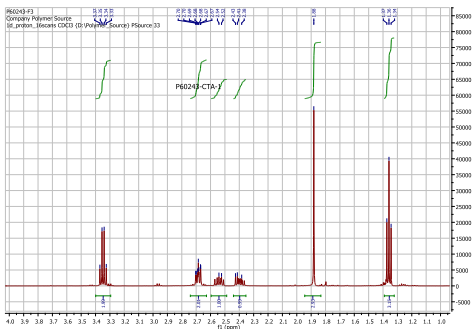
Mn x 10 ³ EG-b-MMA	Mw/Mn (PDI)
5.0-b-50.0	1.24

Synthesis Procedure:

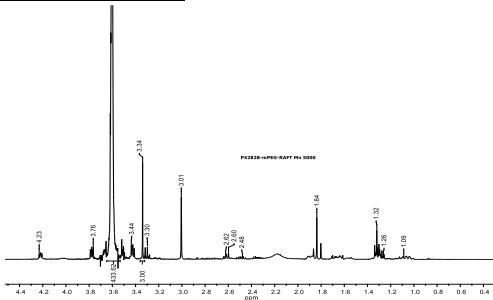
The polymer was synthesized by RAFT polymerization process using following RAFT reagent.



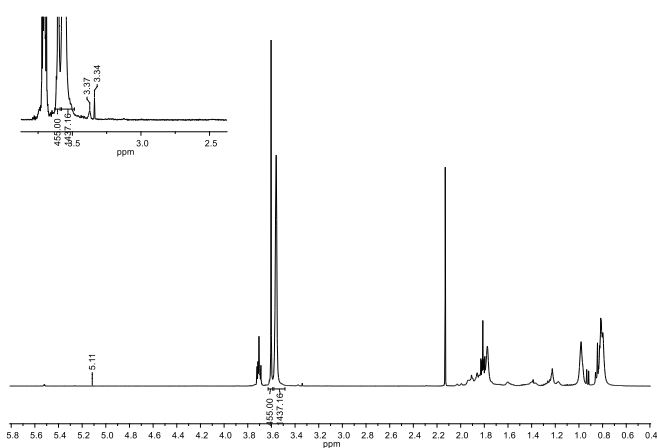
¹H NMR(400 MHz, CDCl₃) spectrum of RAFT:



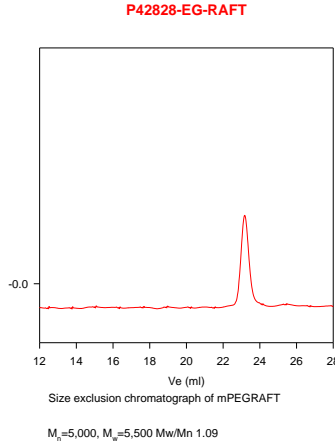
¹H-NMR spectrum (400 MHz, CDCl₃) of the mPEG-RAFT:



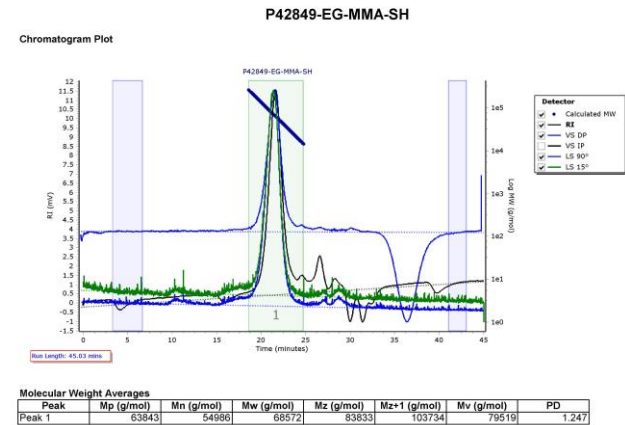
¹H-NMR(400 MHz, CDCl₃) spectrum of the EG-b-MMA RAFT:



SEC elugram of the P42828-EG-RAFT:



SEC elugram of the Sample:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	65843	54886	68572	83833	103734	79519	1.247