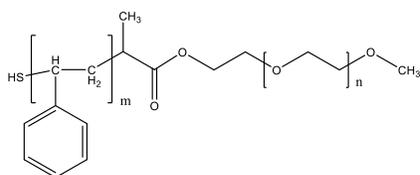


**Sample Name:**  $\alpha$ -Methoxy- $\omega$ -thiol terminated Poly (ethylene oxide-b-Styrene)

**Sample #:** P42830B-EG-S-SH

**Structure:**

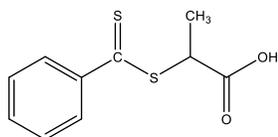


**Composition:**

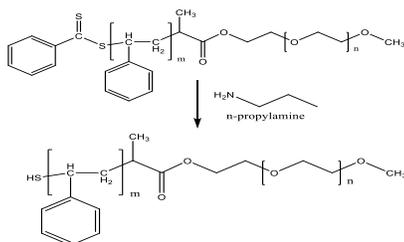
Mn x 10 <sup>3</sup> EG-b-S	Mw/Mn (PDI)
2.0-b-38.0	1.06

**Synthesis Procedure:**

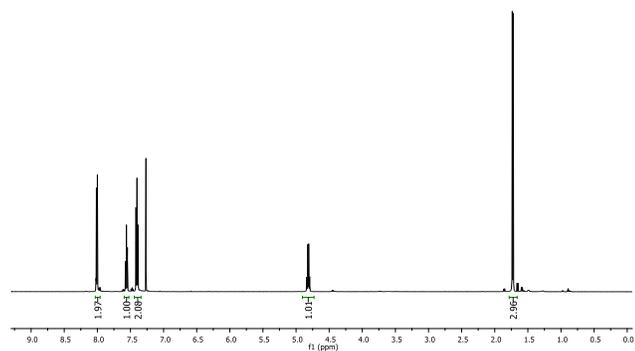
The polymer was synthesized by RAFT polymerization process using following RAFT reagent:



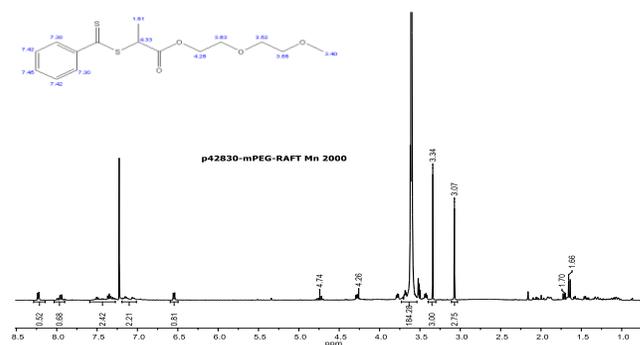
**Lot#:** P60007



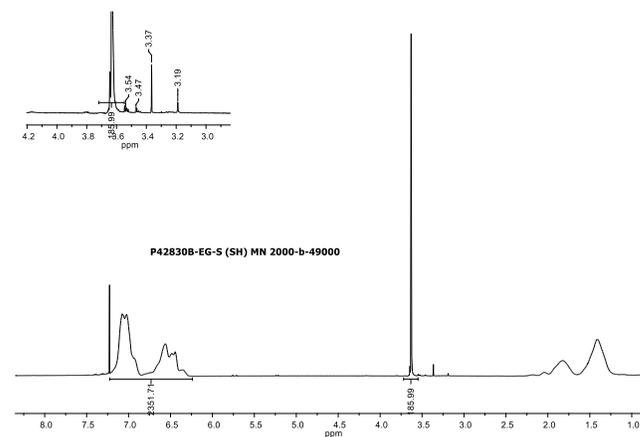
**<sup>1</sup>H-NMR spectrum (400 MHz, CDCl<sub>3</sub>-d) of RAFT:**



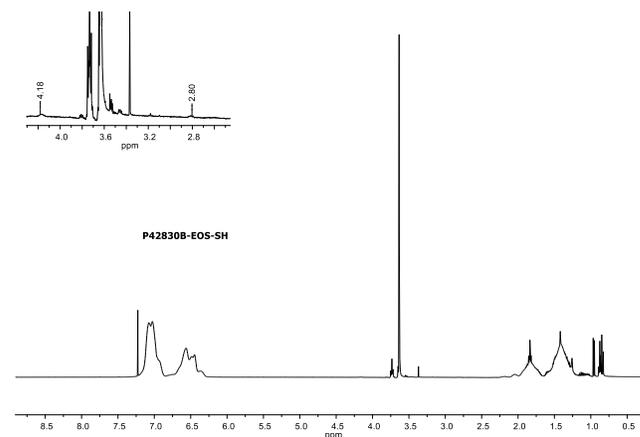
**<sup>1</sup>H-NMR spectrum (400 MHz, CDCl<sub>3</sub>) of the mPEG-RAFT:**



**<sup>1</sup>H-NMR spectrum (400 MHz, CDCl<sub>3</sub>) of the EG-b-S RAFT:**

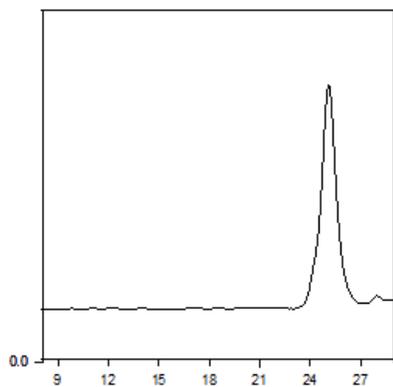


**<sup>1</sup>H-NMR spectrum (400 MHz, CDCl<sub>3</sub>) of the EG-b-S -SH:**



## SEC elugram of mPEG-RAFT:

mPEG-RAFT

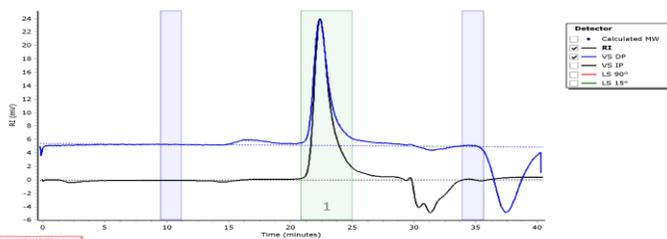


Size exclusion chromatography of the polymer:  $M_n = 2,000$ ,  $PI = 1.13$

## SEC elugram of the sample:

P42830-EG-S-RAFT

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	462.39	399.94	424.16	443.32	463.71	441.64	1.061