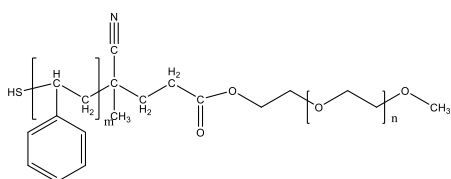


**Sample Name:**  $\alpha$ -Methoxy- $\omega$ -thiol terminated Poly (ethylene oxide-b-Styrene)

**Sample #:** P42835B-EG-S-SH

**Structure:**

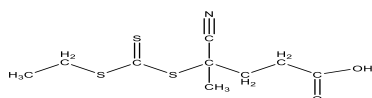


**Composition:**

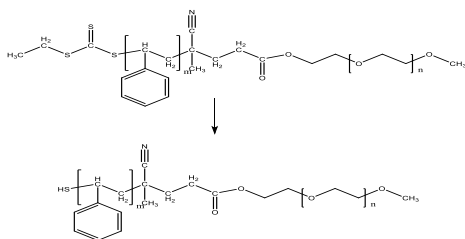
| Mn x 10 <sup>3</sup><br>EG-b-S | Mw/Mn (PDI) |
|--------------------------------|-------------|
| 2.0-b-49.0                     | 1.07        |

**Synthesis Procedure:**

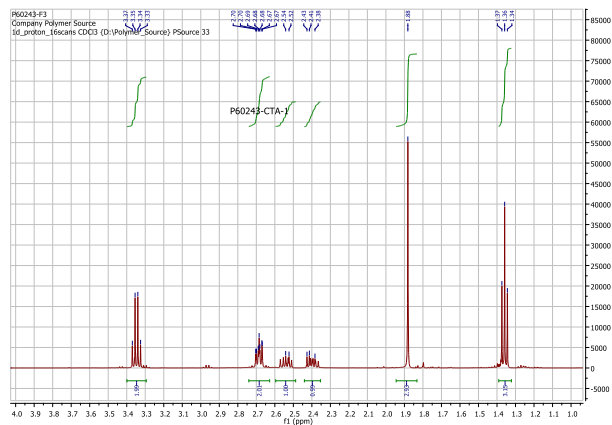
The polymer was synthesized by RAFT polymerization process using following RAFT reagent:



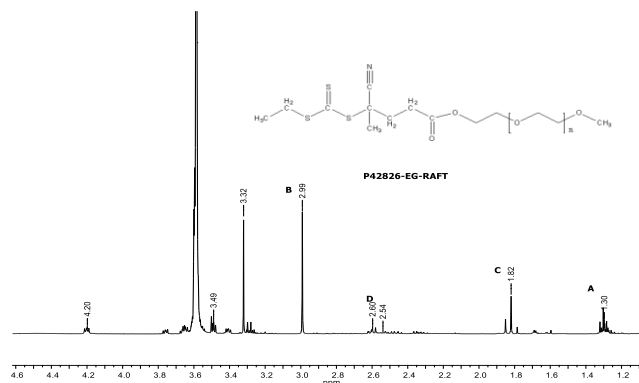
**Lot#:** P60243



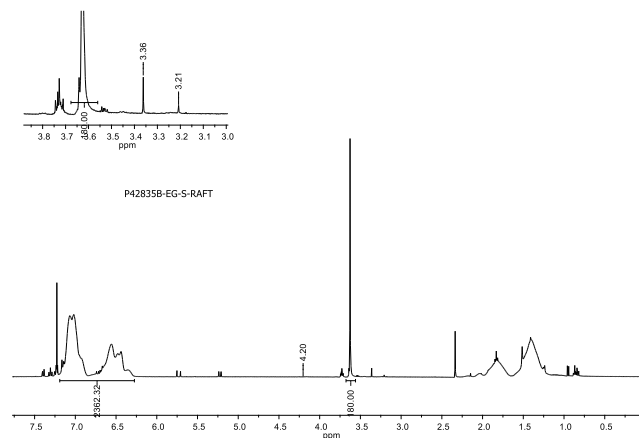
**<sup>1</sup>H-NMR (400 MHz, CDCl<sub>3</sub>-d) spectrum of RAFT:**



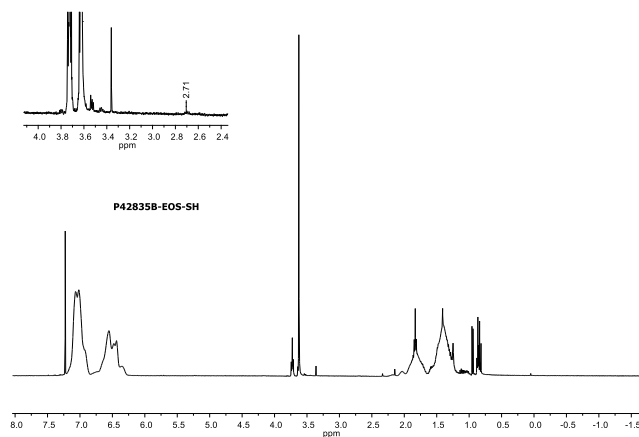
**<sup>1</sup>H-NMR (400 MHz, CDCl<sub>3</sub>) spectrum of the EG-RAFT:**



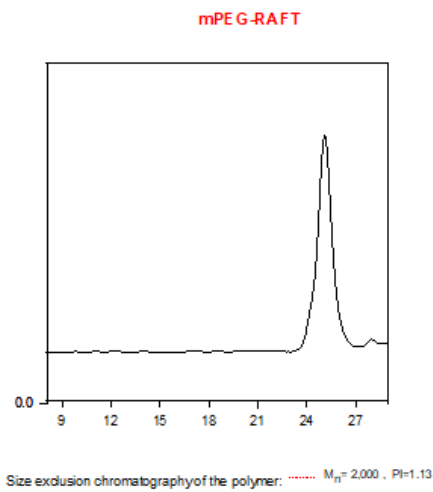
**<sup>1</sup>H-NMR (400 MHz, CDCl<sub>3</sub>) spectrum of the EG-b-S RAFT:**



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



SEC elugram of mPEG-RAFT:



SEC elugram of the Sample:

