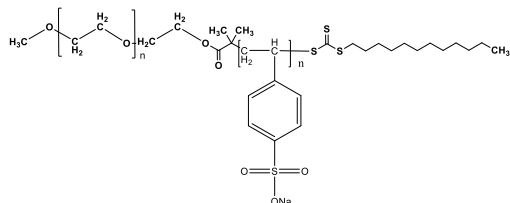


**Sample Name:** Poly (ethylene oxide)-b-poly (4-styrene sulfonic acid sodium salt)

**Sample #:** P41933-EOSSO3Na

**Structure:**



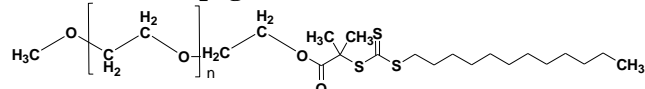
**Composition:**

Mn x 10 <sup>3</sup> EO-b-4SSO3Na	M <sub>w</sub> /M <sub>n</sub>
2.0-b-1.0	1.07

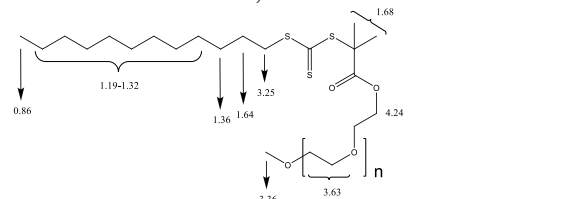
**Synthesis:**

The polymer was synthesized by anionic and RAFT polymerization process.

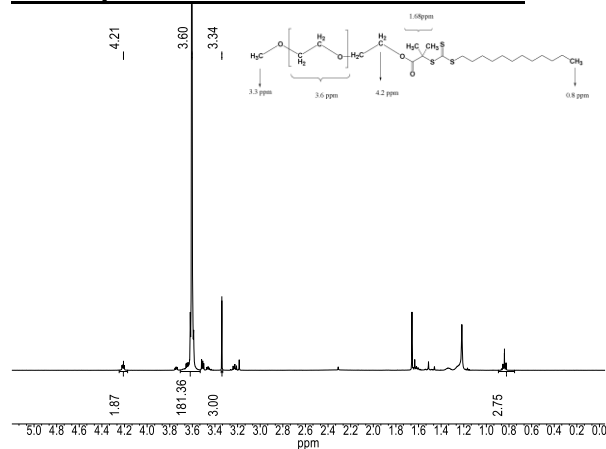
**Structure of Mpeg-RAFT macroinitiator:**



Mn of 2000 Mw/Mn; 1.10



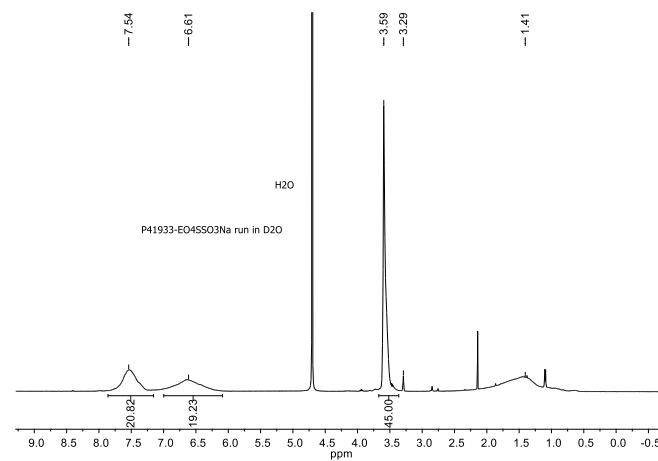
**NMR spectrum of RAFT macroinitiator:**



**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

**<sup>1</sup>H NMR spectrum of the Polymer runs in D2O:**



**SEC profile of the Polymer:**

Agilent GPC/SEC Software  
P41933 mPEG-RAFT

