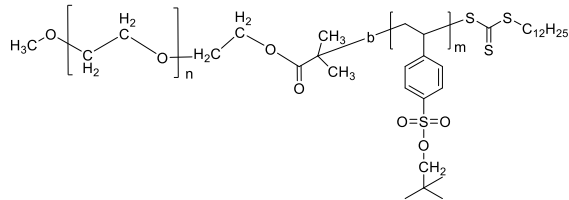


Sample Name: Poly (ethylene oxide)-b-poly (neopentyl 4-styrene sulfonate)

Sample #: P16435-EOSSO3NP

Structure:

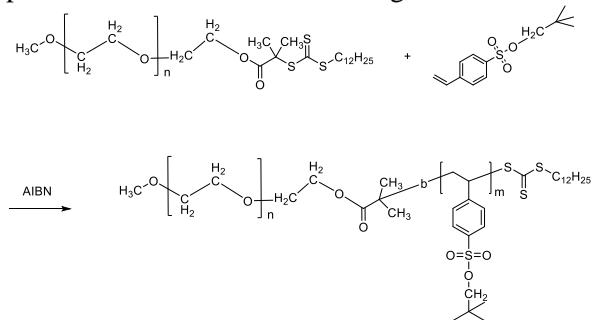


Composition:

$M_n \times 10^3$ PEO-b-PSSO3NP	PDI
2.0-b-13.0	1.13

Synthesis Procedure:

The polymer was synthesized by RAFT polymerization process as shown in the following reaction scheme:



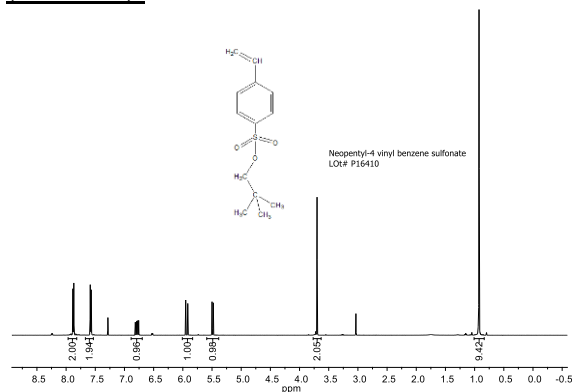
Characterization:

The molecular weight was calculated from ^1H NMR and polydispersity of product was characterized by size exclusion chromatography (SEC).

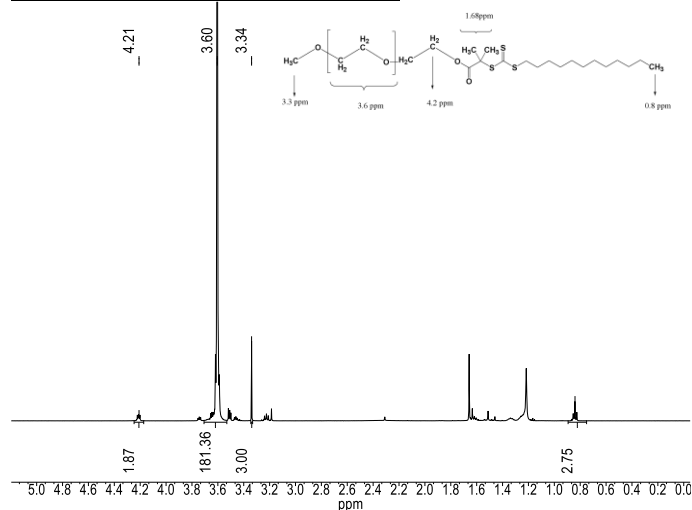
Solubility:

The polymer is soluble in acetone, chloroform, THF, DMSO, and precipitated from hexane.

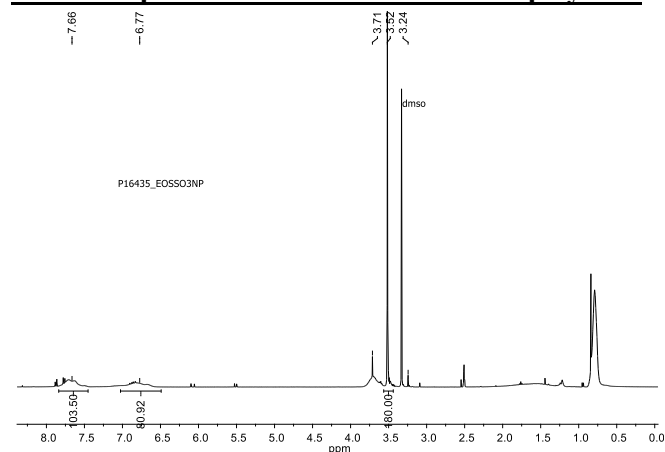
^1H NMR of neopentyl-4-styrene sulfonate (SSO3NP):



^1H NMR spectrum of the RAFT macroinitiator EO-RAFT ($M_n = 2000$, PDI = 1.10)



^1H NMR spectrum of the EO-SSO3NP copolymer:



SEC of diblock polymer:

Agilent GPC/SEC Software

