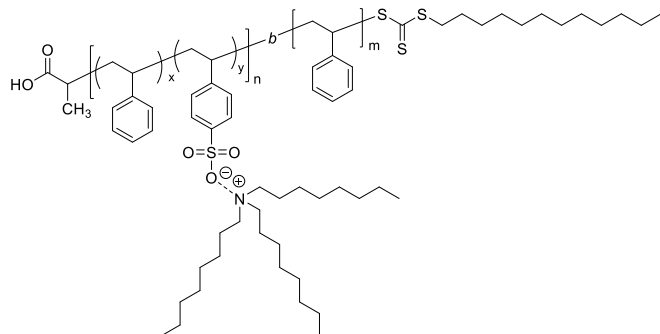


Product Name:

Poly(styrene-*co*-4-trioctylammonium styrene sulfonic acid)-*block*-polystyrene

Product # P42583A-SSSO3NtOctran-b-S

Structure:

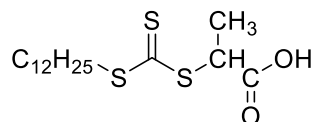


Composition:

$M_n \times 10^3$ (g/mol) [SSSO3NtOctran- <i>b</i> -S]	M_w/M_n	Sulfonation (1 st block):
20.0- <i>b</i> -9.0	1.05	3 mol%

Synthesis Procedure:

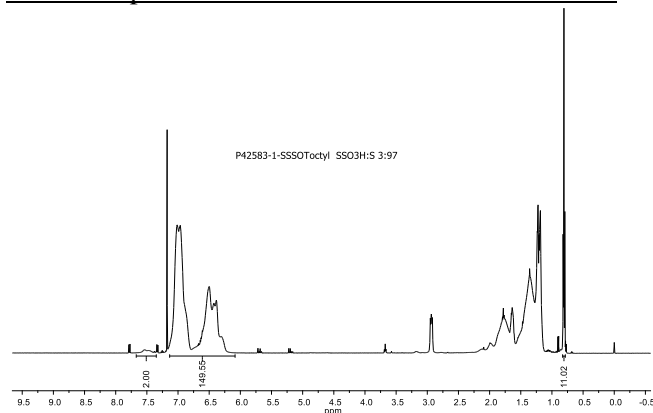
The polymer was synthesized by RAFT, using the following RAFT reagent:



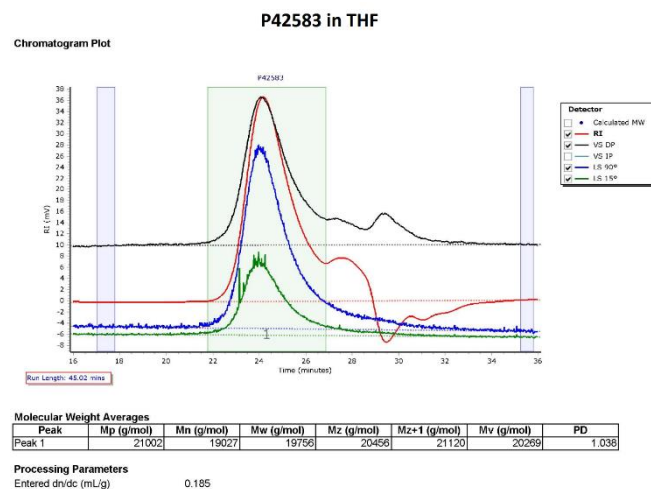
Characterization:

The product was validated by size exclusion chromatography (SEC, using triple detection method) and proton NMR spectroscopy analysis.

¹H NMR spectrum of the 1st block after sulfonation:



SEC of the PS-RAFT (1st block before sulfonation):



SEC of the product (after the 2nd PS block addition):

