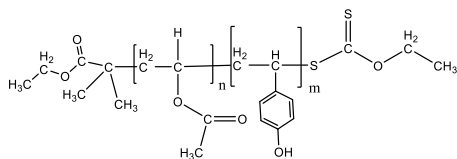


Poly(vinyl acetate)-b-poly(4-Hydroxystyrene)

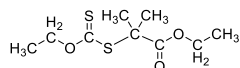
Structure:



Composition:

$M_n \times 10^3$ VAc-b-4HOS	PDI
6.5-b-92.0	1.6

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



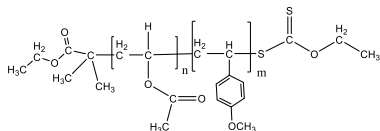
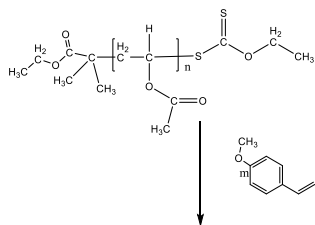
Chemical Formula: $C_9H_{16}O_3S_2$
Exact Mass: 236.05

Characterization:

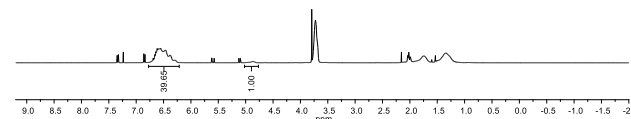
The product was characterized by size exclusion chromatography (SEC) and ^1H NMR and FTIR analysis.

Solubility:

The polymer is soluble in THF, Acetone and CHCl_3 . It precipitates from Hexane.

[illegible]

P42372-VAC-4MeOS

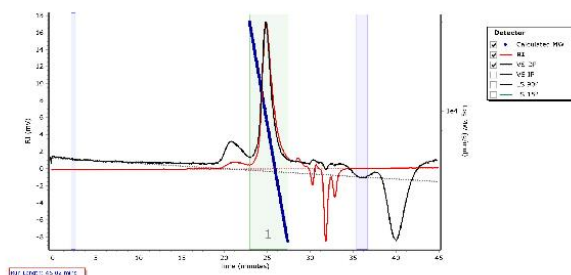


SEC elugram of the PVAC-RAFT macroinitiator:

Agilent GPC/SEC Software

P42372-VAC-RAFT

Chromatogram Plot



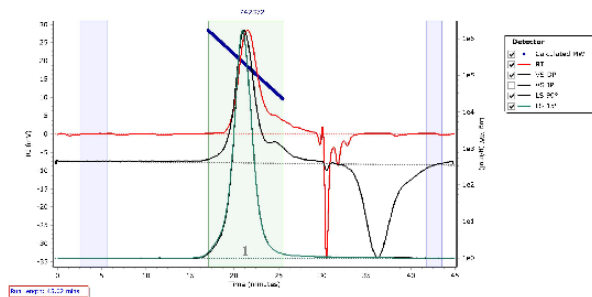
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	9270	6551	8408	10575	13067	9949	1.255

SEC elugram of the Sample:

Agilent GPC/SEC Software

P42372

Chromatogram Plot



FTIR spectrum of the Sample:

