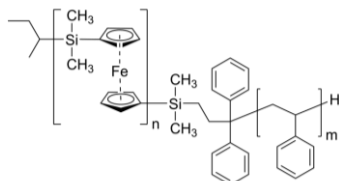


Sample Name: Poly(ferrocenyl dimethyl silane)-b-poly(2-vinyl pyridine)

Sample#: P43625-FES2VP

Structure:



Composition:

Mn $\times 10^3$ FES-b-2VP	Mw/Mn (PDI)
1.0-b-70.0	1.24

Synthesis Procedure:

Poly(ferrocenyldimethylsilane-b-methyl methacrylate) is prepared by anionic living polymerization process by successive addition of ferrocenyldimethylsilane monomer (FES) followed by the addition of 2VP monomer.

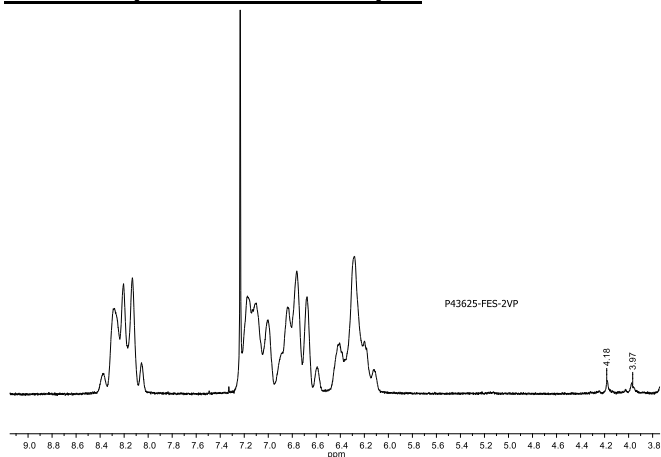
Characterization:

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

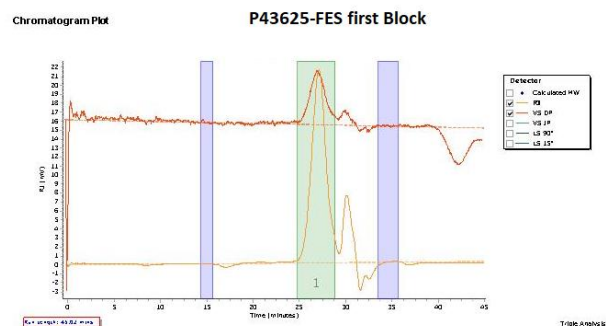
Solubility:

Polymer is soluble in THF, CHCl_3 , and toluene. It precipitates out from ether and hexanes.

^1H NMR spectrum of the sample:

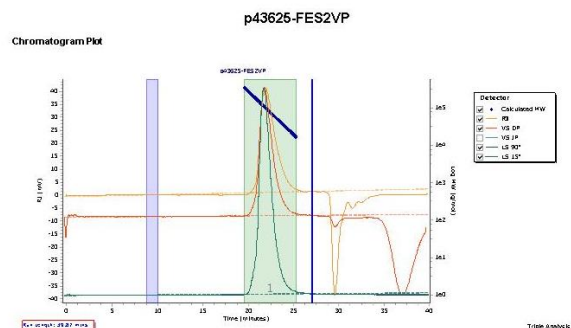


SEC profile of the first block:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Me (g/mol)	PDI
Peak 1	1274	1118	1468	1322	2470	1750	1.313

SEC profile of the block copolymer:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Me (g/mol)	PDI
Peak 1	101754	70797	87684	102439	115076	100364	1.239