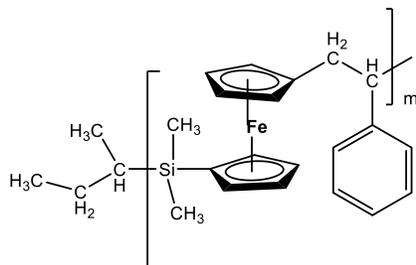


Sample Name:  
**Poly(ferrocenyldimethylsilane-b-styrene)**

Sample #: **P43649-FES-S**

Structure:



Composition:

$M_n \times 10^3$ FES-S	Mw/Mn (PDI)
6.0-b-15.0	1.11

$T_g$ for PS block: 106°C $T_g$ for FES block: 21°C
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Synthesis Procedure:

Poly(ferrocenyldimethylsilane-b-styrene) is prepared by anionic living polymerization by successive addition of ferrocenyldimethylsilane monomer followed by styrene.

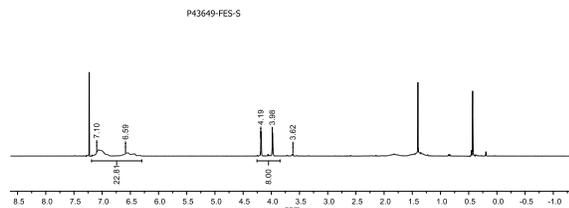
Characterization:

The product was characterized by size exclusion chromatography (SEC) and  $^1\text{H}$  NMR data analysis.

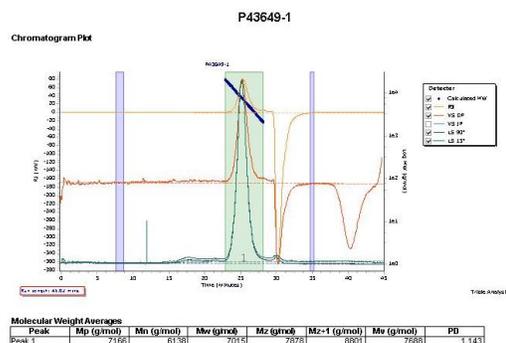
Solubility:

Polymer is soluble in THF,  $\text{CHCl}_3$ , Toluene and precipitate out from ether and hexanes.

$^1\text{H}$  NMR spectrum of the sample:



SEC elugram of the First block:



SEC profile of the block copolymer:

