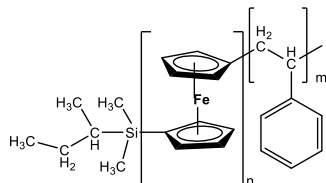


## Poly(ferrocenyldimethylsilane-b-styrene)

Sample #: **P43628-FES-S**

### Structure:



**Composition:**

Mn $\times 10^3$ FES-S	Mw/Mn (PDI)
3.5-b-35.0	1.08

<p>T<sub>g</sub> for PS block: 106°C</p> <p>T<sub>g</sub> for FES block: 21°C</p>
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### Synthesis Procedure:

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

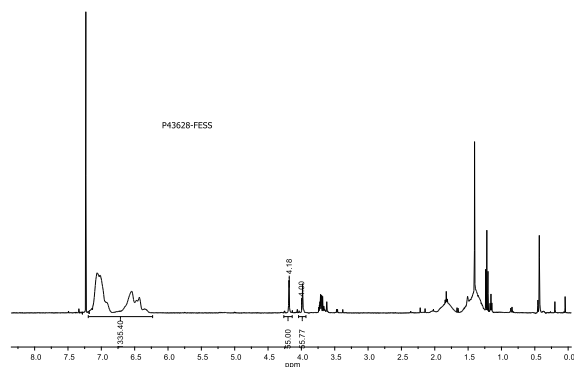
**Characterization:**

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

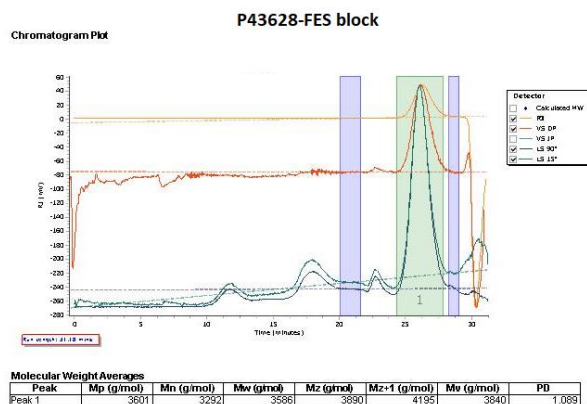
**Solubility:**

Polymer is soluble in THF, CHCl<sub>3</sub>, 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:

