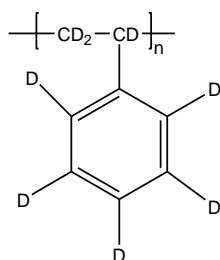


Sample Name: Deuterated Polystyrene (d₈)

Sample #: P19887-dPS

Structure:



Composition:

Mn x 10 ³	PDI
451.0	1.24

Synthesis Procedure:

Deuterated polystyrene-d₈ is obtained by anionic polymerization process.

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in DMF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and light scattering detectors.

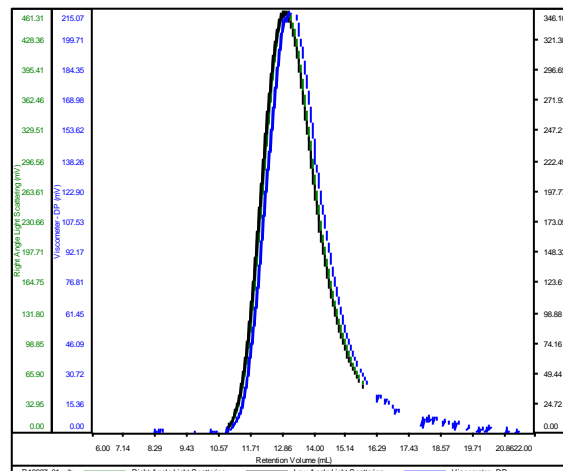
Solubility:

Deuterated polystyrene-d₈ is soluble in DMF, THF, toluene and CHCl₃. It precipitates from methanol, ethanol, water and hexanes.

SEC elugram of the polymer:

P19887

Conc	6.8568
dn/dc	0.1600
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P19887_01.vcl	450,958	559,536	558,512	1.241	0.9232