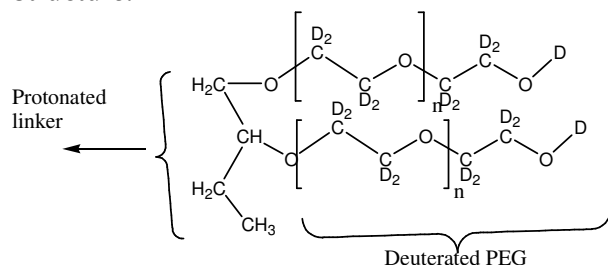


Sample Name: 2 arms Deuterated Poly(ethylene glycol) with protonated linker (1,2 butanediol)

Sample #: P19016-dPEO-2 arms

Structure:



Composition:

Mn x 10 ³	PDI
58.7	1.08

Synthesis Procedure:

Deuterated Poly(ethylene glycol) is obtained by living anionic polymerization using α - ω dipotassium alkoxide of 1,2 butanediol (protonated) .

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

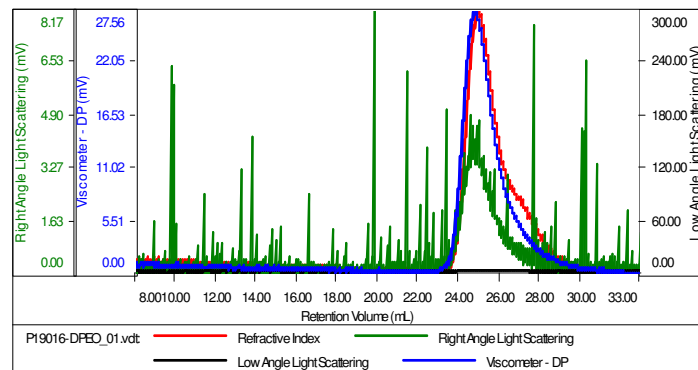
Solubility:

Polymer soluble in water , THF and CHCl₃. The polymer is insoluble in hexane, ether, isopropanol and cold ethanol.

SEC of Sample

Sample ID: P19016-DPEO

Concentration (mg/mL)	0.8458
Sample dn/dc (mL/g)	0.0550
Method File	PS80K-Dac17-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19016-DPEO_01.vdt	58,742	63,578	64,850	1.082	1.4855