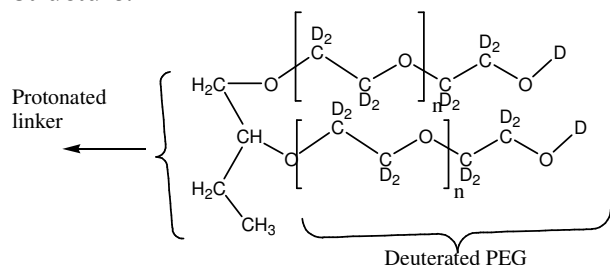


Sample Name: 2 arms Deuterated Poly(ethylene glycol) with protonated linker (1,2 butanediol)

Sample #: P19016A-dPEO-2 arms

Structure:



Composition:

Mn x 10 ³	PDI
43.5	1.22

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.

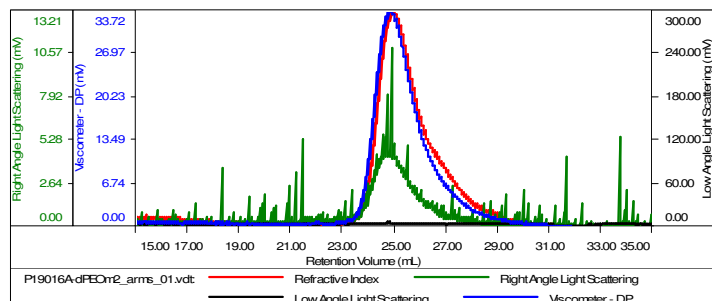
Solubility:

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

SEC of Sample

Sample ID: P19016A-dPEO-2 arms

Concentration (mg/mL)	0.9817
Sample dn/dc (mL/g)	0.0800
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)
P19016A-dPEO-2_arms_01.vdt	43,689	52,934	56,609	1.212	1.5947