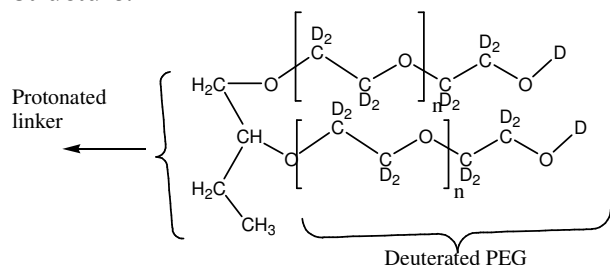


Sample Name: 2 arms Deuterated Poly(ethylene glycol) with protonated linker (1,2 butanediol)

Sample #: P19016B-dPEO-2 arms

Structure:



Composition:

Mn x 10 ³	PDI
49.0	1.14

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.

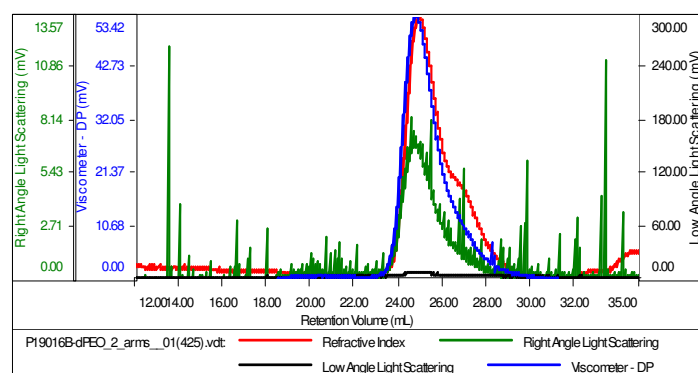
Solubility:

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

SEC of Sample

Sample ID: P19016B-dPEO 2arms

Concentration (mg/mL)	1.765
Sample dn/dc (mL/g)	0.0550
Method File	PS90K-Dec17-2014-0000.vom
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)
P19016B-dPEO_2_arms_01(425).vdt	48,880	55,600	59,501	1.137	1.3889