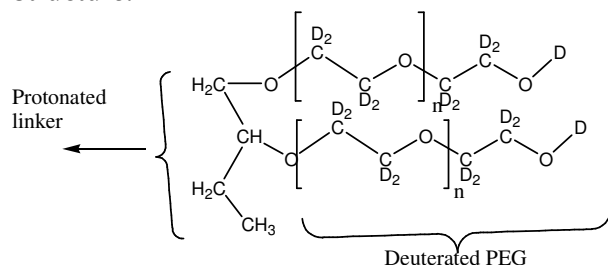


Sample Name: 2 arms Deuterated Poly(ethylene glycol) with protonated linker (1,2 butanediol)

Sample #: P18986-dPEO-2 arms

Structure:



Composition:

Mn x 10 ³	PDI
21.5	1.18

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.

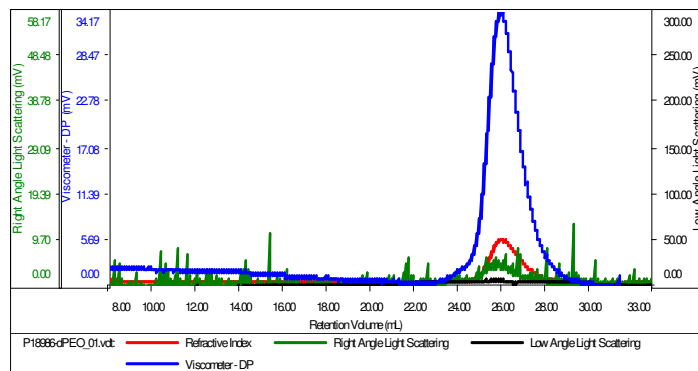
Solubility:

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

SEC of Sample

Sample ID: P18986-dPEO

Concentration (mg/mL)	0.7770
Sample dn/dc (mL/g)	0.0640
Method File	PS80K-NOV27-2014-0000.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)
P18986-dPEO_01.vcl	21,461	25,497	22,967	1.188	1.9308