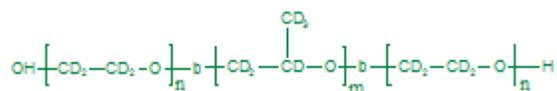


Sample Name:

Poly(deuterated ethylene oxide-b-deuterated propylene oxide-b-deuterated ethylene oxide)

Sample # **P1930-dPEOdPPOdPEO**

Structure:



Composition:

Mn x 10 ³	PDI
3.6-b-2.0-b-3.6	1.08

Synthesis Procedure:

The polymer was synthesized by anionic polymerization process using deuterated monomers.

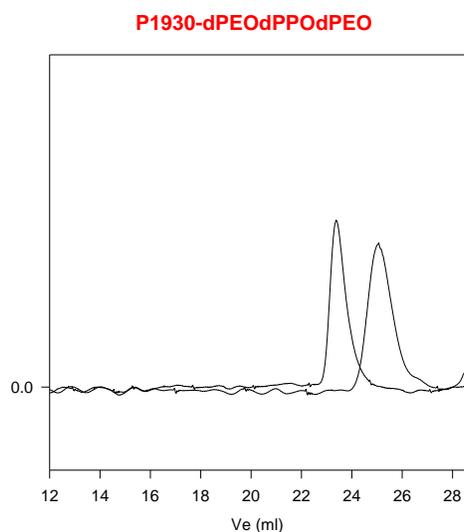
Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

Polymer is soluble in THF, CHCL3, Toluene.

SEC profile of the product:



Size exclusion chromatography of:
(deuterated ethylene oxide-d₄-deuterated propylene oxide-d₆-deuterated ethylene oxide-d₄)triblock copolymer):

- dPPO center Block M_n=2000, M_w=2200, PI=1.10
- Block Copolymer dEO(3600)-b-dPPO(2000)-b-dEO(3600), PI=1.08
- Dp: dEO(75)-b-dPPO(31)-b-dEO(75)