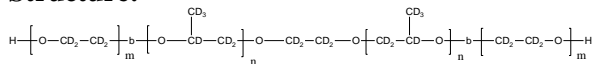


Sample Name:

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

Sample #: **P11095-dPEOdPPOdPEO**

Structure:

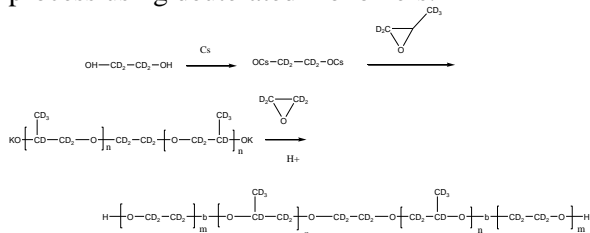


Composition:

$M_n \times 10^3$	PDI
0.3-b-1.8-b-0.3	1.18

Synthesis Procedure:

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



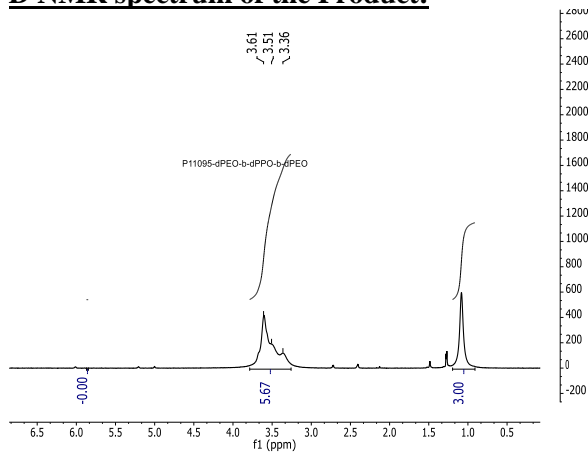
Characterization:

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 and DNMR data analysis.

Solubility:

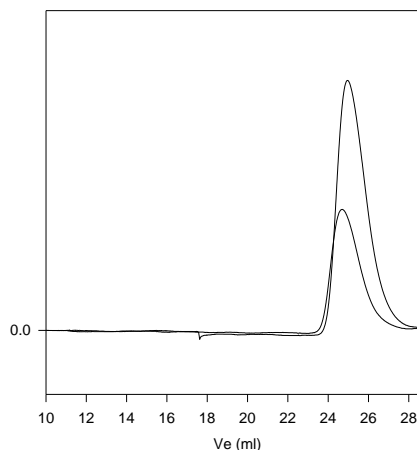
Polymer is soluble in THF, CHCL3, and Toluene.

D NMR spectrum of the Product:



SEC profile of the Sample:

P11095-dPEOdPPOdPEO



Size exclusion chromatography of:
(deuterated ethylene oxide_{d4}-deuterated propylene oxide_{d5}-deuterated ethylene oxide_{d4})triblock copolymer):

— dPPO center Block $M_n=1800$, $M_w=2200$, $PI=1.2$
— Block Copolymer dEO(300)-b-dPPO(1800)-b-dEO(300), $PI=1.18$
Dp: dEO(6)-b-dPPO(30)-b-dEO(6)