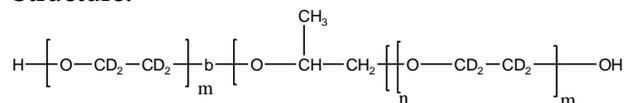


Sample Name:

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

**Sample # P4126-dPEOdPPOdPEO**

**Structure:**



**Composition:**

| Mn x 10 <sup>3</sup><br>dPEO-b-PPO-b-dPEO | PDI |
|---|-----|
| 3.2-b-2.0-b-3.2                           | 1.1 |

**Synthesis Procedure:**

By anionic process using deuterated EO monomer and protonated propylene oxide.

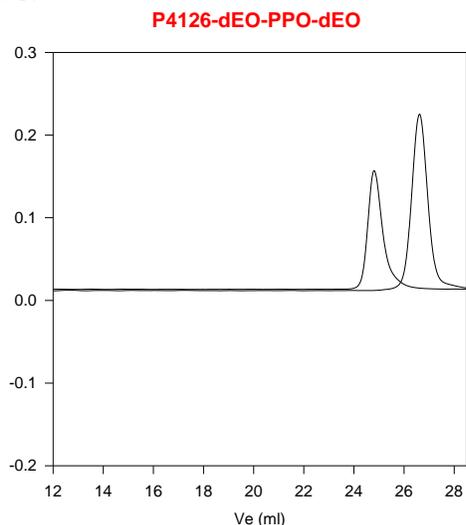
**Characterization:**

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, CHCl<sub>3</sub>, Toluene.

**SEC:**



**Size exclusion chromatography of:**  
**(deuterated ethylene oxide d<sub>4</sub>-Protonated PO-Deuterated ethylene oxide -d<sub>4</sub>)**

**Triblock copolymer:**

Protonate-PO center Block M<sub>n</sub>=2,000, M<sub>w</sub>=2100, PI=1.11

Block Copolymer dEO(3200)-b-PO(2,000)-b-dEO(3200), PI=1.08  
Dp: dEO(68)-b-PO(34)-b-dEO(68)