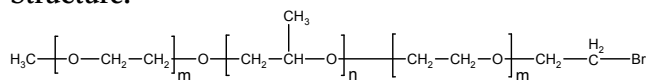


### Sample Name:

**Bromo end Functionalized Poly(ethylene oxide-b- propylene oxide -b- ethylene oxide)**

**Sample #: P10483B-EOPOEOBr**

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
0.28-b-1.3-b-0.7	1.09
Dp: 6-b-23-b-16	

### Synthesis Procedure:

Poly(ethylene oxide-b- propylene oxide -b- ethylene oxide) is prepared by living anionic polymerization with sequence addition of monomer EO and propylene oxide. Functionalization was carried out in toluene using thionyl bromide.

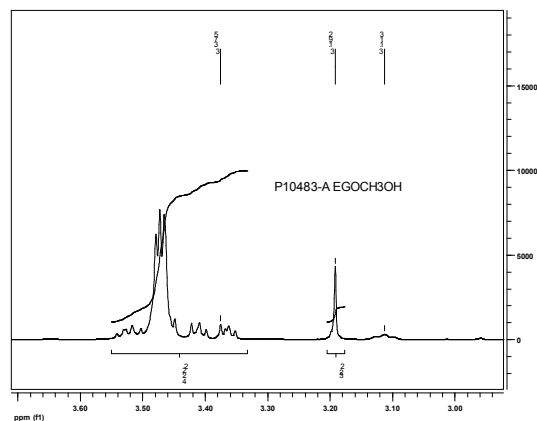
### Characterization:

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.

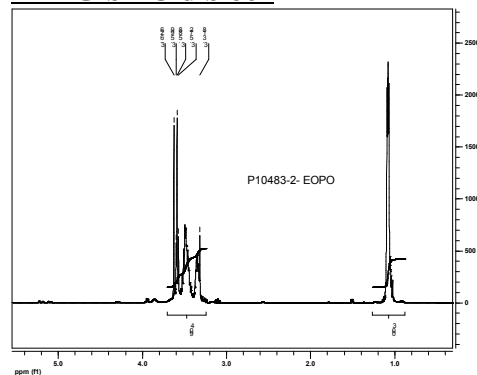
### Solubility:

Polymer is soluble in THF, CHCl<sub>3</sub>, and toluene.

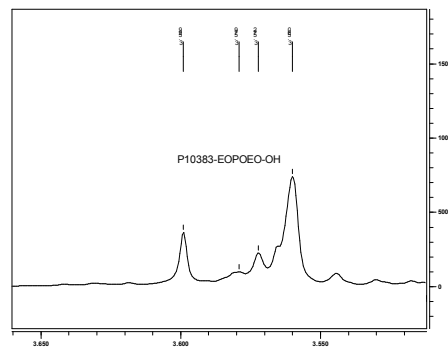
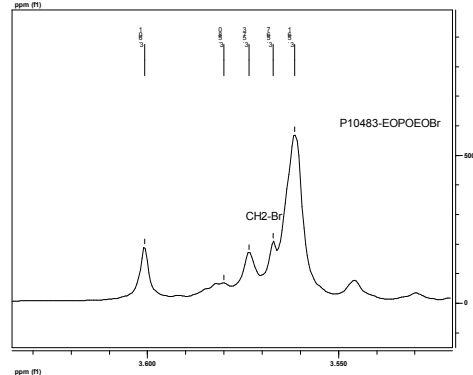
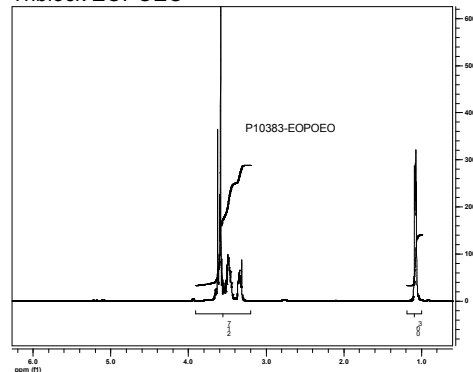
### First Block mPEG



### mPEG-b-PO diblock



### Triblock EOPOEO



### SEC of Sample:

