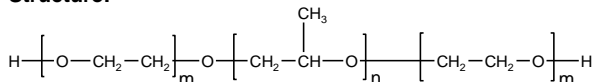
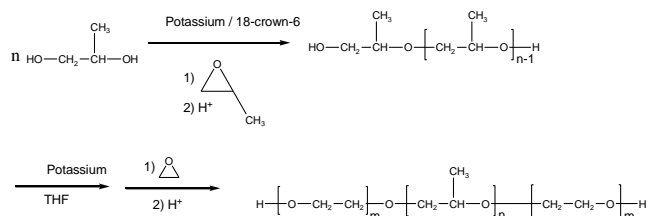


Sample Name:**Poly(ethylene oxide-b- propylene oxide -b- ethylene oxide)****Sample #:** P8730-EOPOEO**Structure:****Composition:**

$M_n \times 10^3$	PDI
0.1-b-1.0-b-0.1	1.10

Synthesis Procedure:

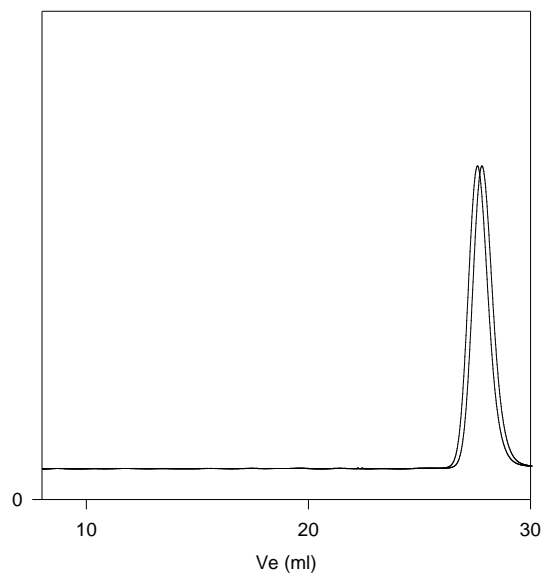
Poly(ethylene oxide-b- propylene oxide -b- ethylene oxide) is prepared by living anionic polymerization with sequence addition of propylene oxide followed by ethylene oxide. The scheme of the reaction is illustrated below:

**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_3 , Toluene.

SEC of Sample:**P8730-EOPOEO**

Size exclusion chromatography of:

(ethylene oxide-propylene oxide) triblock copolymer:

—— Poly(propylene oxide) center block: $M_n=1000$, $M_w=1100$, $M_w/M_n=1.10$

—— Block Copolymer EO(100)-b-PO(1000)-b-EO(100), $M_w/M_n=1.10$

