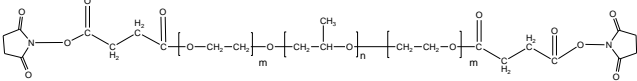


**Sample Name:**  $\alpha,\omega$ -Disuccinimidyl Succinate  
**Terminated Poly(ethylene oxide-b- propylene oxide - b- ethylene oxide)**

**Sample #:** P19406A-EOPOEO-2NHS

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
3.6-b-4.0-b-3.6	1.18
Dp : 82-b-68-b-82	

**Synthesis Procedure:**

Polymer prepared by living anionic polymerization with sequence addition of propylene oxide followed by ethylene oxide, followed by end group modification.

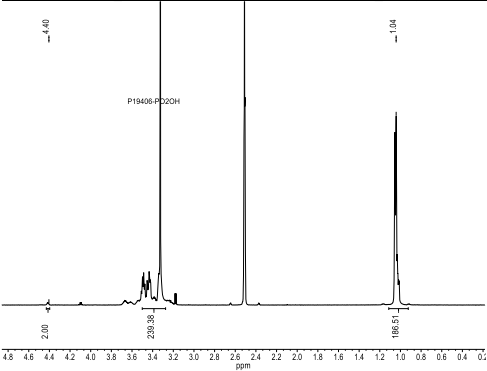
**Characterization:**

The molecular weight and polydispersity index (PDI) of the polymer are obtained by size exclusion chromatography (SEC), <sup>1</sup>HNMR, and FTIR analysis.

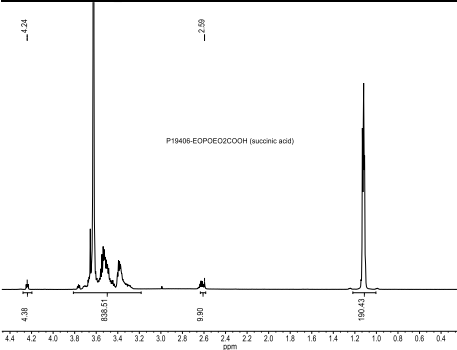
**Solubility:**

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

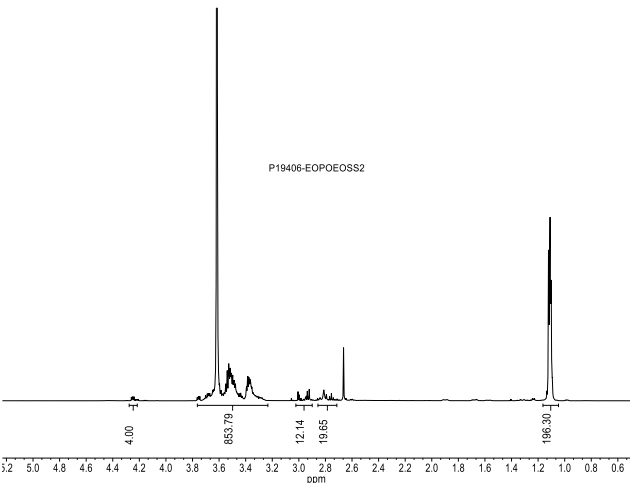
**HNMR spectrum of PO 2OH polymer:**



**HNMR spectrum of P19406-EOPOEO2COOH:**



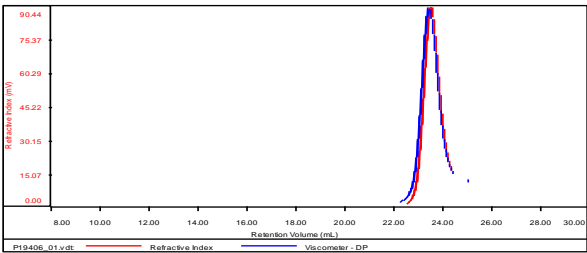
**HNMR spectrum of the Sample:**



**SEC elugram of the Sample:**

**Sample ID:P19406-EOPOEO**

Concentration (mg/mL)	1.5392
Sample dn/dc (mL/g)	0.0480
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19406_01.vdt	11,890	13,848	14,324	1.165	0.7802