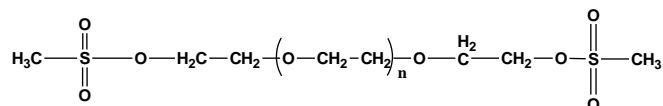


Sample Name:
 α , ω -bis(Mesylate) end-functionalized Poly(Ethylene Glycol)

Sample #: P16182-EG2Mes

Structure:



Composition:

$M_n \times 10^3$	PDI	Functionality ($-\text{SO}_3\text{CH}_3$)
1.0	1.10	> 99%

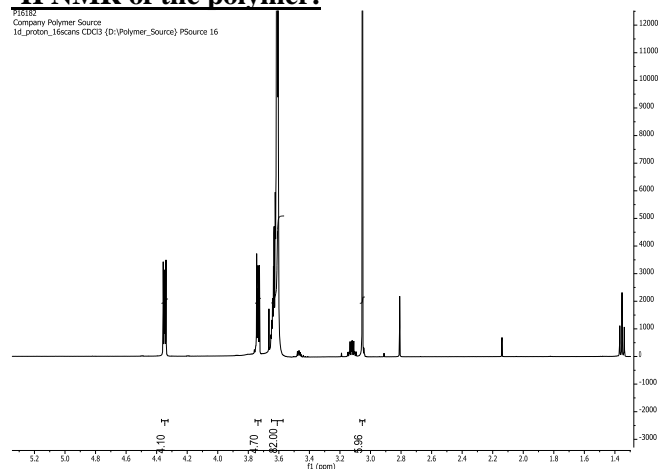
Synthesis Procedure:

The polymer was synthesized by anionic process.

Characterization:

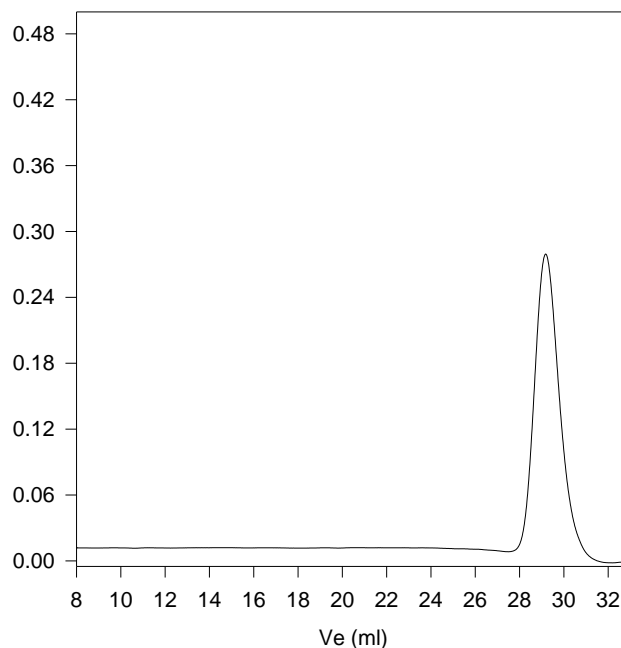
The molecular weight and polydispersity index (PDI) of the product are obtained by size exclusion chromatography (SEC) and HMMR.

^1H NMR of the polymer:



SEC of the polymer before terminating with mesyl chloride (methane sulfonyl chloride):

P16182-EG2Mesylate



Size Exclusion Chromatography of Poly(ethylene glycol-2Mesylate)

$M_n=1,000$, $M_w=1,200$, $M_w/M_n=1.10$