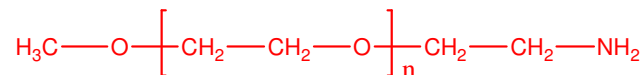


Sample Name:

α Methoxy ω - amino end functionalized
Poly(ethylene glycol)

Sample #: P16082-EGOCH3NH2

Structure:



Composition:

$\text{Mn} \times 10^3$	PDI	Functionality (NH2)
0.50	1.08	> 99%

Synthesis Procedure:

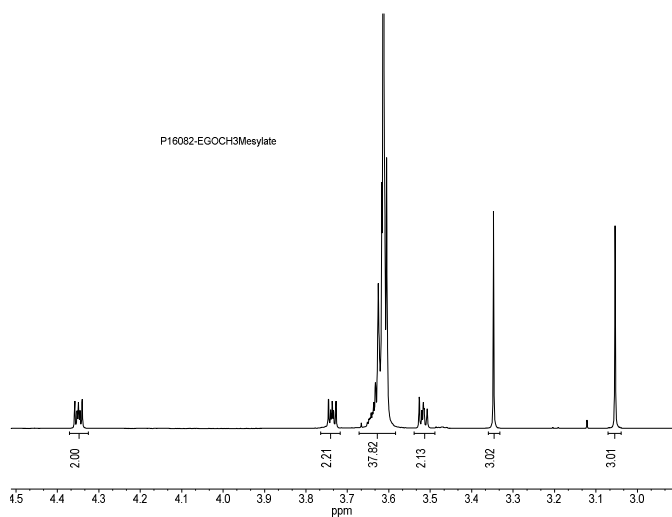
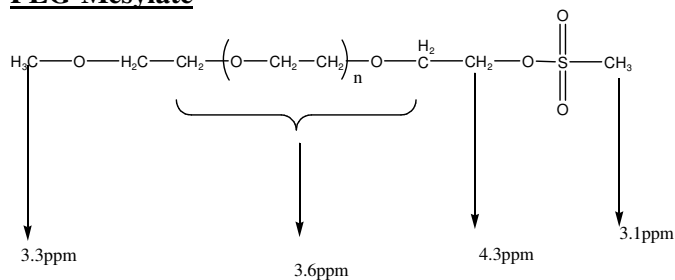
Mesylate end functionalized Poly(ethylene glycol) methyl ether is prepared by living anionic polymerization of ethylene oxide followed by reaction of OH terminated polymethylene glycol methyl ether with methanesulfonyl chloride (mesyl chloride).

Characterization:

The polymer was characterized by SEC and ^1H NMR.

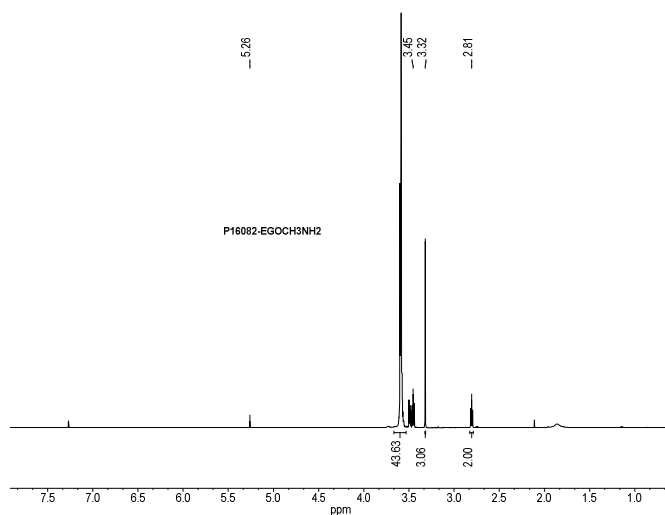
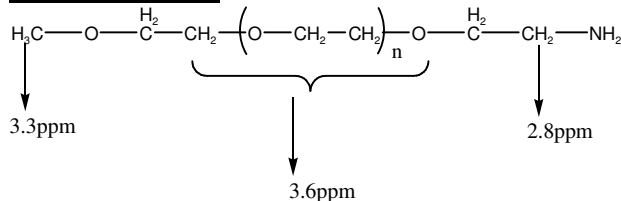
^1H -NMR Spectrum of the polymer :

PEG-Mesylate



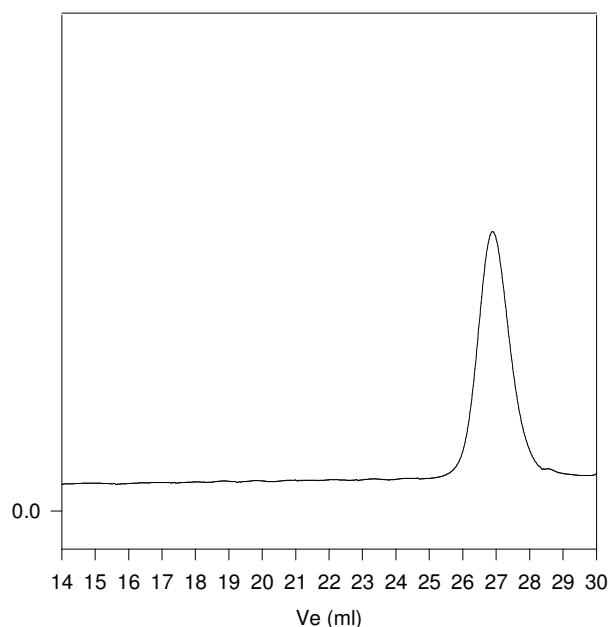
^1H -NMR Spectrum of the polymer :

PEG-OCH3NH2



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

P16082-EGOCH3NH2



Size exclusion chromatography of polymer:
Mw/Mn 1.08