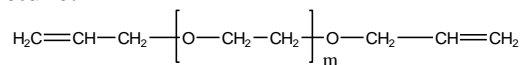


Sample Name:

α - ω - diAllyl terminated Poly (ethylene glycol)

Sample #: **P40993-EG2Allyl**

Structure:



Composition:

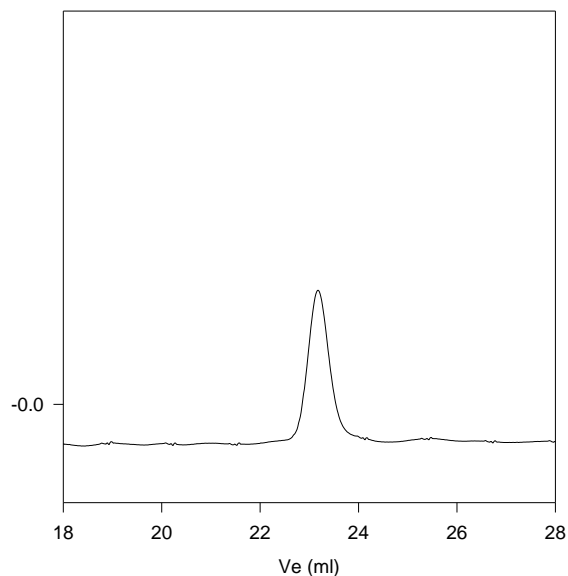
Mn x 10 ³	PDI
1.5	1.09
Functionality	80%

Characterization:

An aliquot of the poly (ethylene oxide) before addition of mestyl chloride was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The polymer obtained at each step and the final block copolymer composition was calculated from ¹H-NMR spectroscopy.

SEC profile of the polymer:

P40993-EG2Allyl



Size exclusion chromatograph of Poly(ethylene glycol) allyl terminated
 $M_n=1,500$, $M_w=1,700$, $PI=1.10$

¹H-NMR Spectrum of the polymer :

