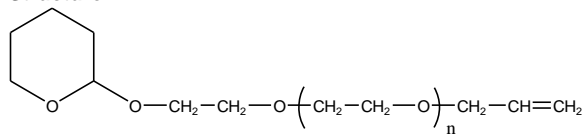


Sample Name:

**α -Tetrahydropyranyl- ω -Allyl Terminated
Poly(ethylene glycol)**

Sample #: **P8954- EGTHPAIlyl**

Structure:

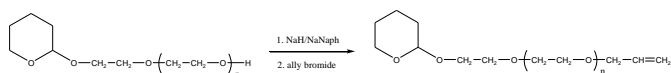


Composition:

Mn x 10 ³	PDI
5.8	1.06

Synthesis Procedure:

The scheme of the reaction is illustrated below:

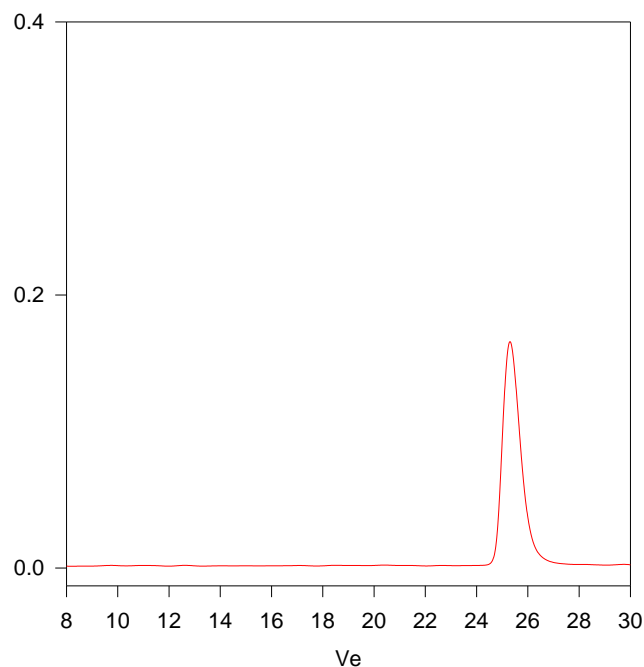


Characterization:

An aliquot of the poly(ethylene oxide) before addition of mesyl 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 of the polymer :

P8954-EGTHPAIlyl



Size Exclusion Chromatography of the Polymer:

M_w= 5800, M_n=6200, M_w/M_n=1.06

¹H-NMR Spectrum of the polymer :

