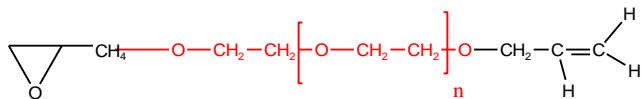


Sample Name:
 α -epoxy, ω -allyl Terminated Poly(ethylene glycol)

Sample #: P4624A-EGAllylepoxy

Structure:



Composition:

Mn x 10 ³	PDI
0.55	1.2

Synthesis Procedure:

α -epoxy, ω -allyl terminated poly(ethylene glycol) was synthesized by anionic living polymerization of ethylene oxide. The procedure is proprietary.

Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Functionality:

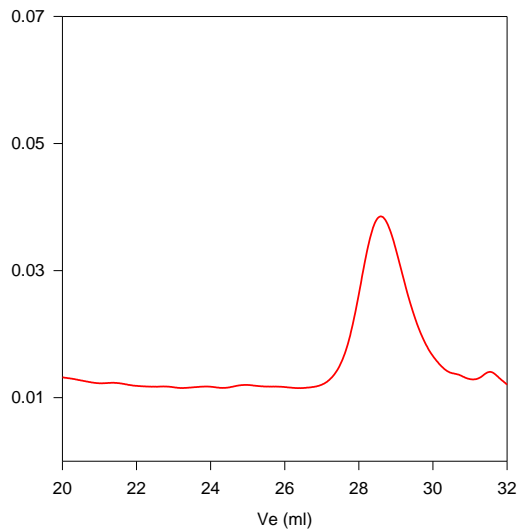
Functionality of the polymer was determined by H NMR analysis or FT-IR spectroscopy.

Solubility:

Polymer is soluble in water, methanol and ethanol. It is precipitated out from cold hexane and ether.

SEC of Sample:

P4624A-EGepoxyallyl



Size exclusion chromatography of α -epoxy- ω -allyl terminated poly(ethylene glycol):

$M_n=550$, $M_w=650$, $M_w/M_n=1.20$

H NMR spectrum of the product

