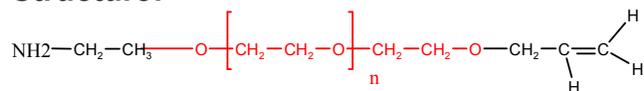


Sample Name:

α -NH₂, ω -allyl Terminated Poly(ethylene glycol)

Sample #: P4628A-EGNH2Allyl

Structure:



Composition:

Mn x 10 ³	PDI
0.55	1.2

Synthesis Procedure:

α -NH₂, ω -allyl terminated poly(ethylene glycol) was synthesized by anionic living polymerization of ethylene oxide using amino protected as an initiator followed by deprotection of the end group (hydrolysis in presence of acetic acid). The procedure is proprietary.

Characterization:

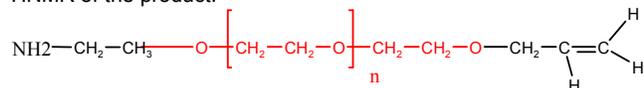
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

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

Solubility:

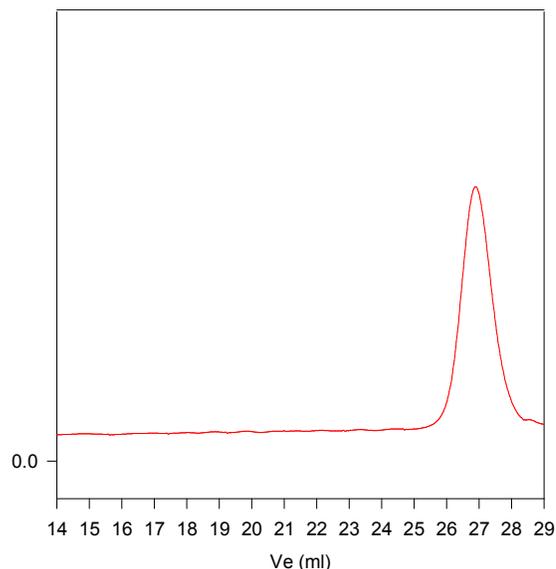
Polymer is soluble in water, methanol and ethanol. It is precipitated out from cold hexane and ether.

HNMR of the product:



SEC of Sample:

P4628A-EGNH2Allyl



Size exclusion chromatography of poly(ethylene glycol functionalized):
Mn=550, Mw=650, PI=1.20

H NMR spectrum of the product

