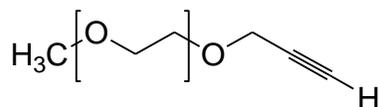


Sample Name: Poly(ethylene glycol), (α -methoxy, ω -alkyne)-terminated

Sample #: P60702-EGOCH3-alkyne

Structure:



Composition:

Mn x 10 ³	PDI
5.0	1.06

Synthetic Procedure:

α -methoxy, ω -alkyne terminated poly(ethylene glycol) was synthesized by anionic process, followed by condensation with propargyl bromide.

Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.

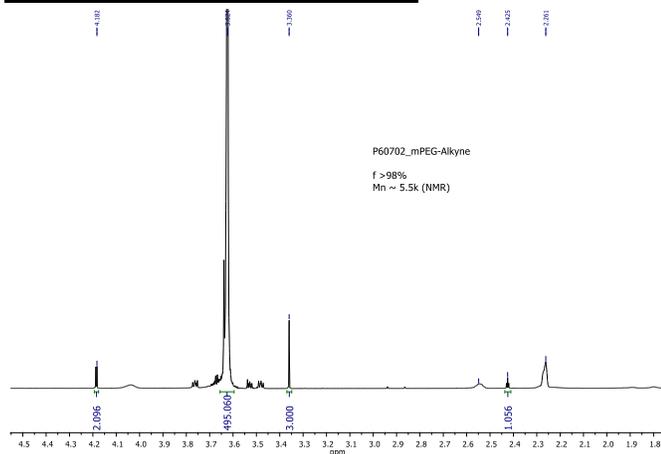
Solubility:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC). Functionality of the polymer was determined by ¹HNMR and FT-IR spectroscopy.

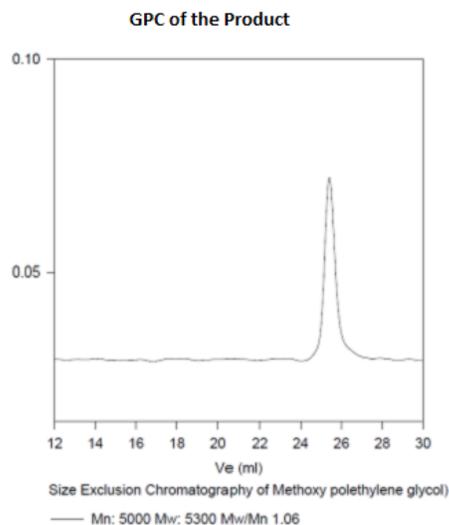
Solubility:

Polymer is soluble in water, methanol, ethanol, THF, and CHCl₃. It is precipitated out from cold ethanol, isopropanol, hexane, and ether.

¹HNMR spectrum of the Sample:



SEC elugrame of the Sample:



FTIR spectrum of the sample:

