

Product Profile

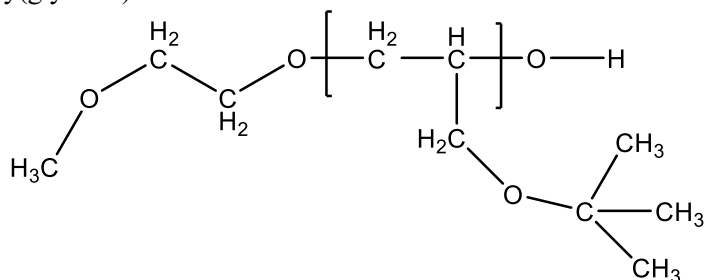
Identification

Product Name: Mono methyl ether Poly(tert.Butyl glycidol)

Sample #: P45438-tBuGIE-OCH3

Structure:

Mono methyl ether Poly(glycidol)

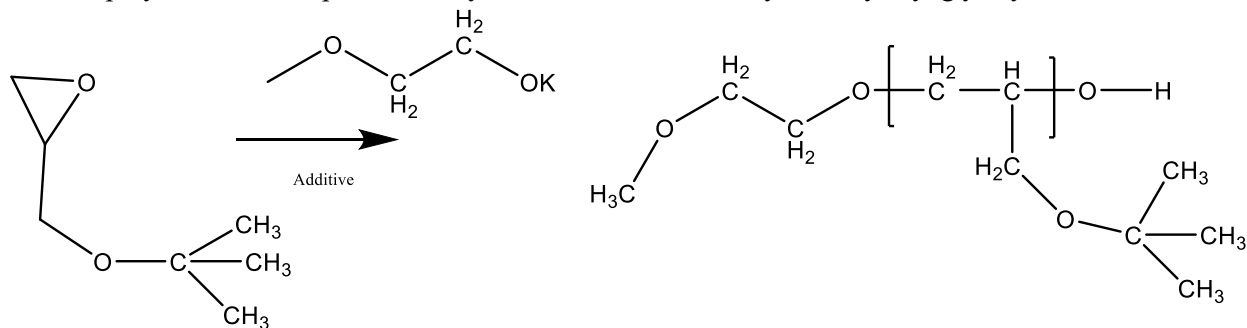


Composition:

Mn x 10 ³	Mw/Mn (PDI)
3.0	1.03
Dp ₄₅ from ¹ H NMR	

Method of Synthesis:

Anionic polymerization of protected Glycidol monomer: tert-Butyldimethylsilyl glycidyl ether.



Solubility in different solvents

THF	√	DMF	√
CHCl ₃	√	Acetone	√
Toluene-Hot	√		

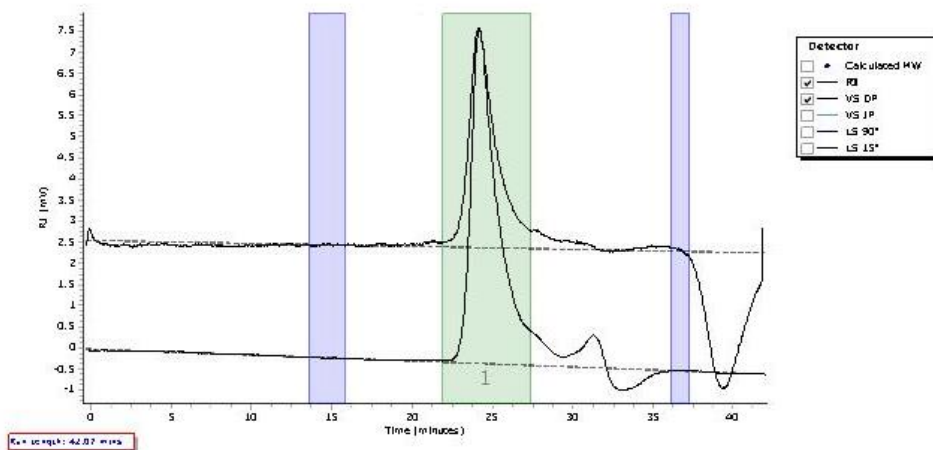
Purification of Polymer By solvent-non solvent mixture

Validation of Architecture:

A. Gel Permeation Chromatography (GPC), SEC- Profile

Chromatogram Plot

P45438-Monomethyl ether poly Glycidal



Mw/Mn by GPC and Dp by HNMR

B. NMR (HNMR) of polymer:

