

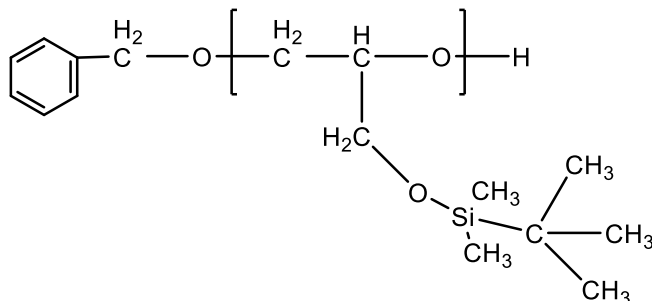
Product Profile

Identification

Product Name: Poly(glycidol)

Sample #: P45382-GIOH

Structure:

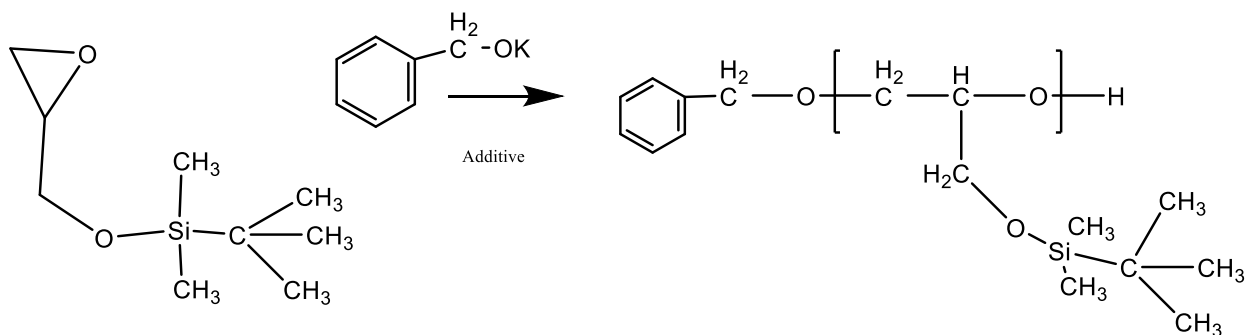


Composition:

Mn x 10 ³	Mw/Mn (PDI)
6.3	1.13
Dp ₄₅ from ¹ H NMR	

Method of Synthesis:

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



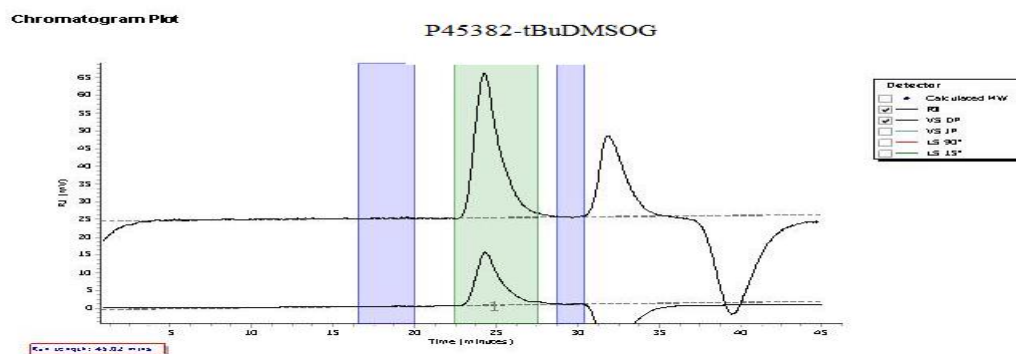
Solubility in different solvents

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



Mw/Mn by GPC and Dp by HNMR

B. NMR (HNMR) of polymer:

