

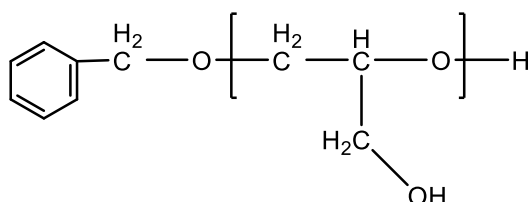
Product Profile

Identification

Product Name: Poly(glycidol)

Sample #: P45382A-GIOH

Structure:

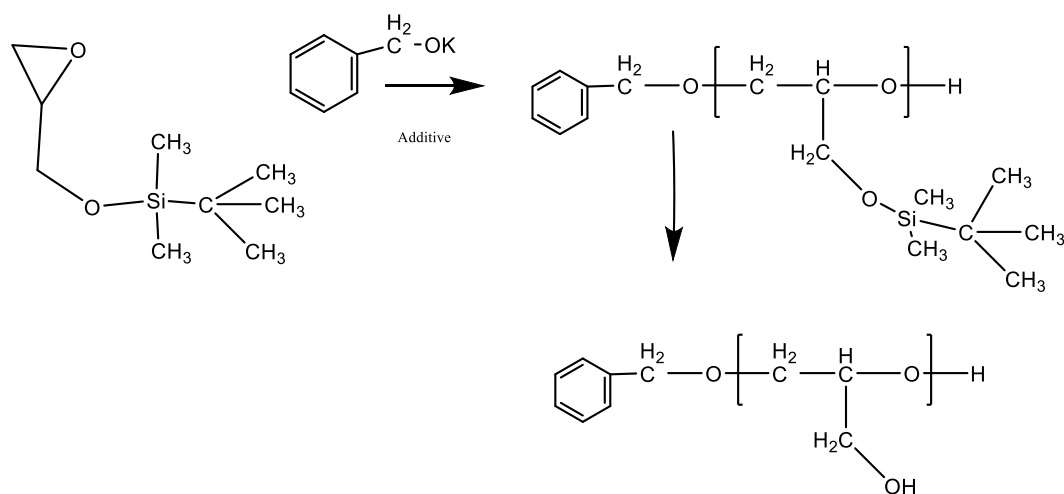


Composition:

Mn x 10 ³	Mw/Mn (PDI)
3.0	1.10
Dp ₂₃ from ¹ H NMR	

Method of Synthesis:

Anionic polymerization of protected Glycidol monomer: tert.butyl glycidyl ether or (tert-Butoxymethyl)oxirane) to Poly glycidol.

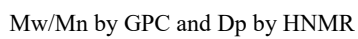


Solubility in different solvents

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

Purification of Polymer By solvent-non solvent mixture

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


$$\text{Ph}-\text{CH}_2-\text{O}-\left[\text{CH}_2-\underset{\text{H}_2\text{C}-\text{OH}}{\text{CH}}-\text{O}\right]_n-\text{H}$$
