

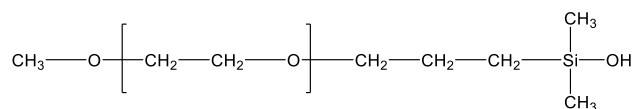
Product Profile

Identification

Product Name: Poly(ethylene glycol) methyl ether, ω-silanol-terminated

Product Lot Number: P45218A-EGOCH3SiOH

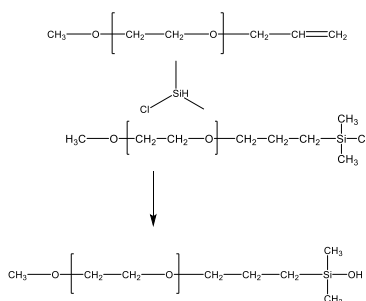
Product Chemical Architecture:



Composition:

Mn x 10 ³	Mw/Mn (PDI)
0.7	1.10
Dp :EO ₁₆ from ¹ H NMR	

Method of Synthesis



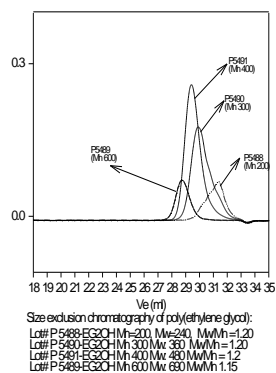
Solubility in different solvents

THF	✓	Methanol	✓
CHCl ₃	✓	Water	✓
Toluene	✓		

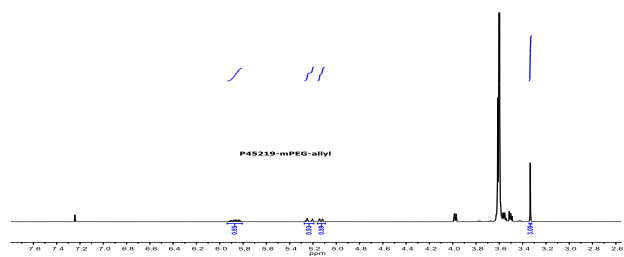
Purification of Polymer: to remove naphthalene and other catalyst used < 0.1% level.

Validation of Architecture

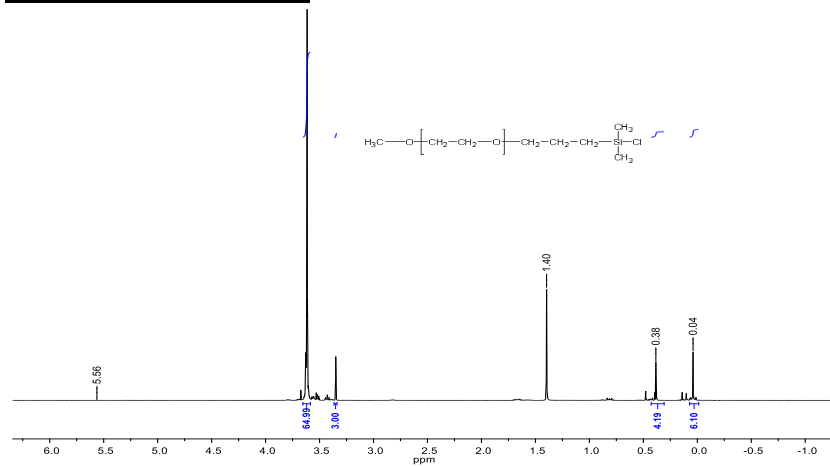
A. **Gel Permeation Chromatography (GPC), SEC- Profile:**



B. NMR (HNMR)



mPEG-SiCl terminated;



mPEG-Silanol

