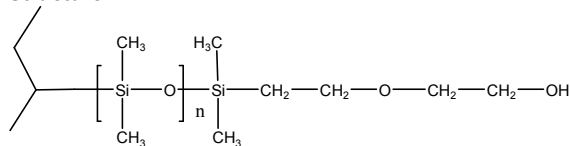


**Sample Name:**  
**Moncarbinol Terminated Polydimethylsiloxane**

**Sample #:** P5670-DMSOH

**Structure:**

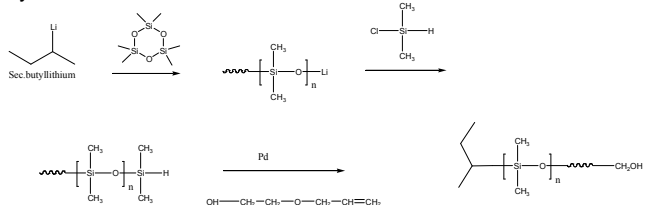


**Composition:**

Mn x 10 <sup>3</sup>	PDI
2.0	1.14

**Synthesis Procedure:**

monohydroxyl (carbinol) terminated poly(dimethyl siloxane) was prepared by living anionic polymerization of hexamethyl cyclotrisiloxane. The scheme of the reaction is illustrated below:

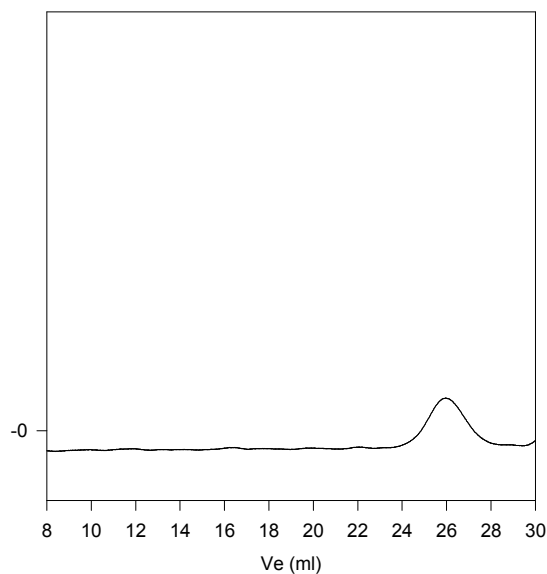


**Characterization:**

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

**SEC of Sample:**

**P5670-DMSOH**



Size exclusion chromatography of

— Poly(DMS)Carbinol terminated,  $M_n=2000$  Mw: 2240 Mw/Mn 1.14

**Reference:**

1. J.X. Zhang, S.K. Varshney, "Simple Approach for the Scale-up Production of Block Copolymer of Polydimethylsiloxane with (Meth)acrylic Ester Monomers" Designed Monomers and Polymers, 2002, 1, 79.