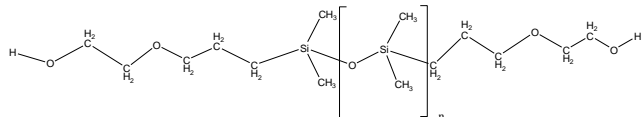


**Sample Name:** Poly(dimethylsiloxane),  $\alpha$ ,  $\omega$ -bis (hydroxy [carbinol])-terminated

*Propyl Ethoxy linker*

**Sample #:** P42801-DMS2OH

**Structure:**

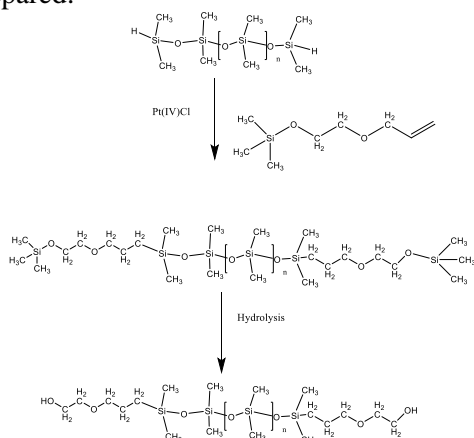


**Composition:**

| Mn x 10 <sup>3</sup> | PDI |
|----------------------|-----|
| 1.2                  | 1.2 |

**Synthesis Procedure:**

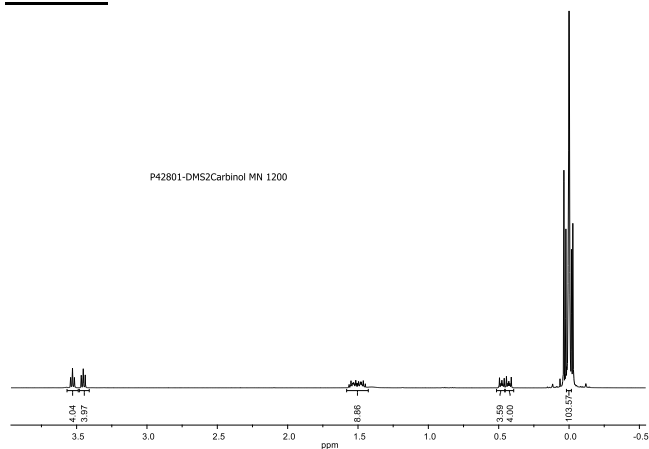
The following reaction scheme shows how the product was prepared:



**Characterization:**

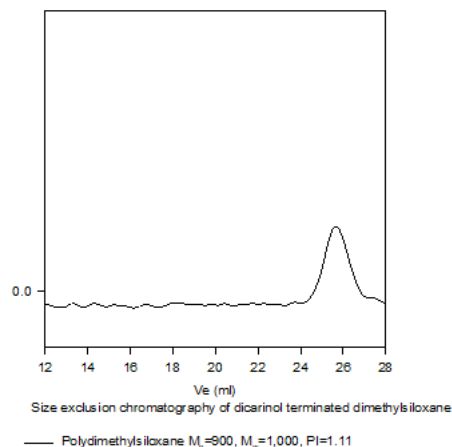
The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR data analysis.

**<sup>1</sup>H-NMR spectrum of the PDMS end functionalized with Carbinol to determine molecular weights by HNMR:**



**SEC profile of the P42801-DMS2SiH:**

**P42801-DMS2SiH used**



**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.