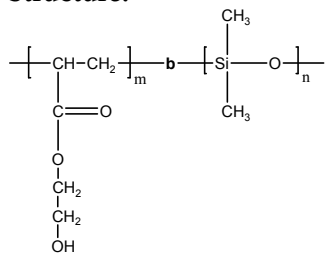


**Sample Name:** Poly(dimethyl siloxane-b-hydroxy ethyl acrylate)

<sup>1</sup>H NMR spectrum of the sample

**Sample #** P2526-DMSHEA

**Structure:**

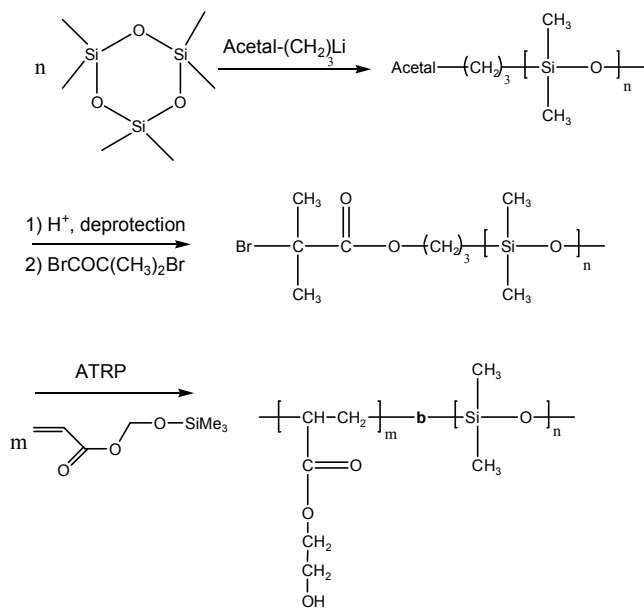


**Composition:**

Mn × 10 <sup>3</sup> DMS-b-SHEA	Mw/Mn (PDI)
8.0-b-1.0	1.37

**Synthesis Procedure:**

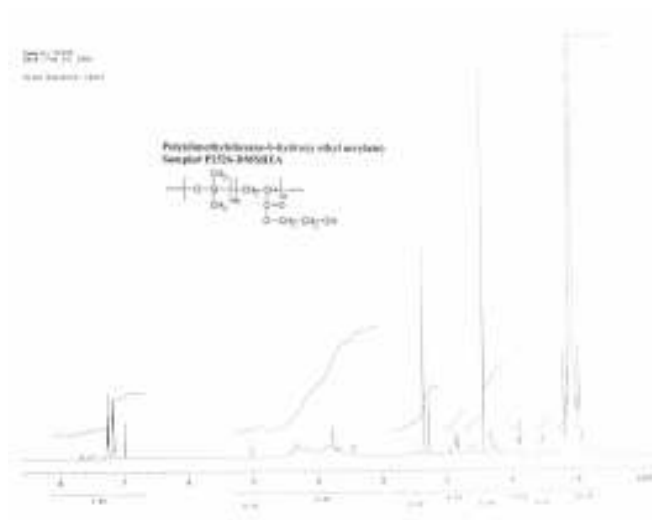
Poly(dimethylsiloxane-b-hydroxy ethyl acrylate) is prepared by living anionic polymerization of hexamethylcyclotrisiloxane followed by controlled radical polymerization of trimethylsiloxylethyl methacrylate. The reaction scheme is illustrated below:



**Characterization:**

**Solubility:**

Poly(dimethylsiloxane-b-□□-caprolactone) is soluble in



**SEC profile of the block copolymer**

**P2526-DMSHEA**

