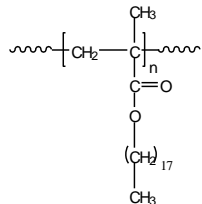


**Sample Name:** Poly(octadecyl methacrylate)  
Or stearyl methacrylate

**Sample #:** P43667A-ODMA

**Structure:**

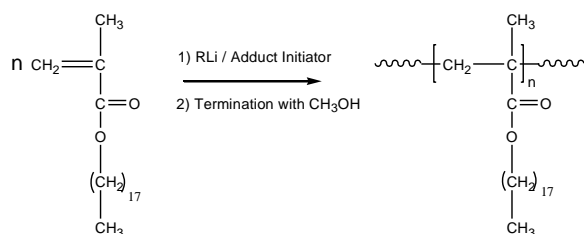


**Composition:**

Mn x 10 <sup>3</sup>	PDI
64.0	1.20

**Synthesis Procedure:**

Poly(octadecyl methacrylate) is obtained by living anionic polymerization of octadecyl methacrylate. The reaction scheme used for the polymer synthesis is shown below:



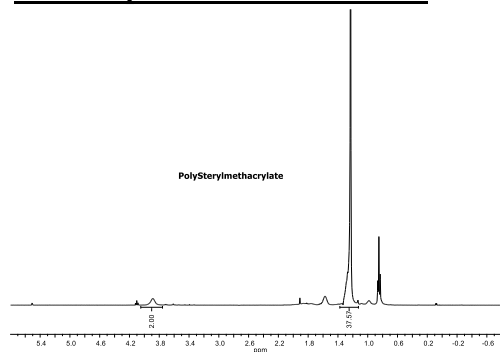
**Characterization:**

The molecular weight and polydispersity index (PDI) of Poly(octadecyl methacrylate) are obtained by size exclusion chromatography.

**Solubility:**

Poly(octadecyl methacrylate) is soluble in THF, CHCl<sub>3</sub>, toluene and dioxane. The polymer precipitates from hexanes, methanol, and ethanol.

**HNMR spectrum of the Product:**



**SEC elugram of the Sample:**

