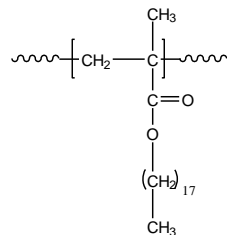


Sample Name: Poly(octadecyl methacrylate)
Or stearyl methacrylate

Sample #: P43668B-ODMA

Structure:

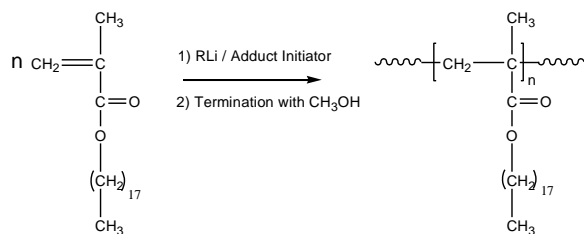


Composition:

Mn x 10 ³	PDI
10.0	1.16

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:



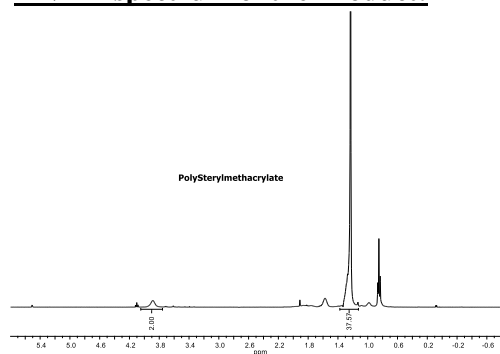
Characterization:

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, CHCl₃, toluene and dioxane. The polymer precipitates from hexanes, methanol, and ethanol.

HNMR spectrum of the Product:



SEC elugram of the Sample:

