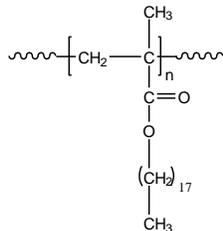


Sample Name: Poly(octadecyl methacrylate)
Or stearylmethacrylate

Sample #: P43668A-ODMA

Structure:

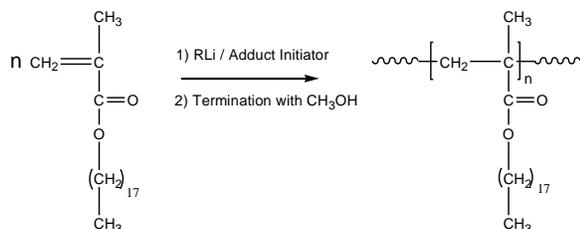


Composition:

| | |
|-------------------|------|
| $M_n \times 10^3$ | PDI |
| 15.0 | 1.08 |

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:



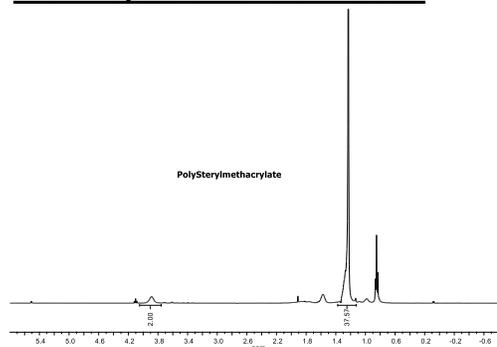
Characterization:

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, $CHCl_3$, toluene and dioxane. The polymer precipitates from hexanes, methanol, and ethanol.

HNMR spectrum of the Product:



SEC elugram of the Sample:

