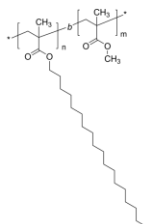


Sample Name: Poly(n-octadecyl methacrylate)-b-poly(methyl methacrylate)
Or stearylmethacrylate-b-MMA

Sample #: P43669-ODMAMMA

Structure:



Composition:

Mn x 10 ³ ODMA-b-MMA	PDI
18.0-b-22.5	1.05

Synthesis Procedure:

Poly(octadecyl methacrylate-MMA) is obtained by GTP polymerization process.

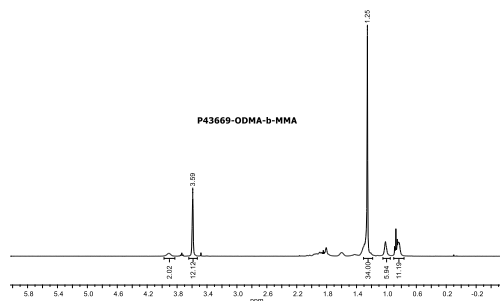
Characterization:

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

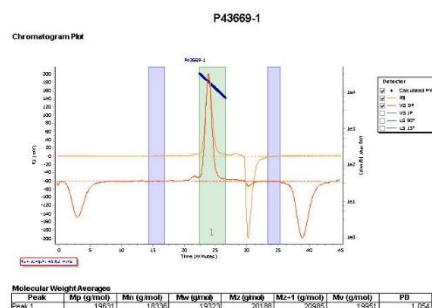
Solubility:

Poly(octadecyl methacrylate-b-MMA) is soluble in THF, CHCl₃. The polymer precipitates from hexanes, methanol, and ethanol.

HNMR spectrum of the Product:



SEC elugram of the First Block:



SEC elugram of the Sample:

