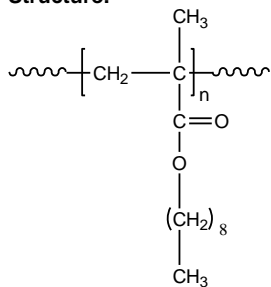


**Sample Name:** Poly(n-nonyl methacrylate)

**Sample #:** P9330-NMA

**Structure:**

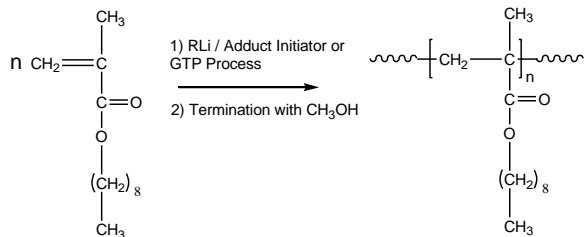


**Composition:**

$M_n \times 10^3$	PDI
9.0	1.14
Micostructure	Syndio:hetero:Iso contents 53: 40: 7

**Synthesis Procedure:**

Poly(n-nonyl methacrylate) is obtained by living anionic polymerization or GTP of n-nonyl methacrylate. The reaction scheme used for the polymer synthesis is shown below:



**Characterization:**

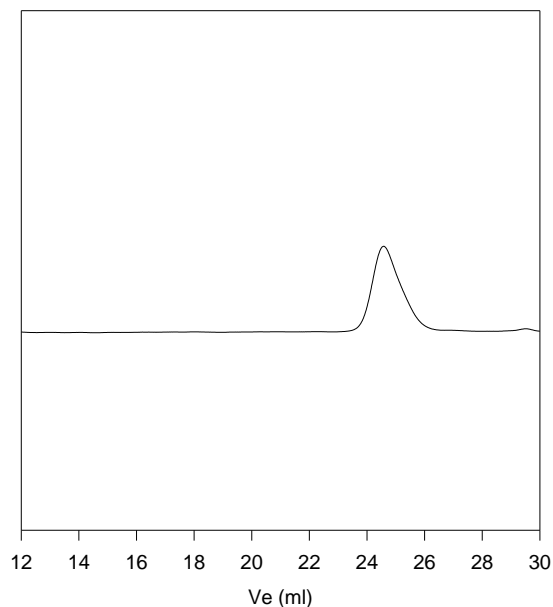
The molecular weight and polydispersity index (PDI) of Poly(n-nonyl methacrylate) are obtained by size exclusion chromatography.

**Solubility:**

Poly(n-nonyl methacrylate) is soluble in THF,  $CHCl_3$ , toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

**SEC of Homopolymer:**

**P9330-NMA**



Size exclusion chromatograph of Poly(nonyl methacrylate):

$M_n=9000$ ;  $M_w=10200$ ;  $PI=1.14$

