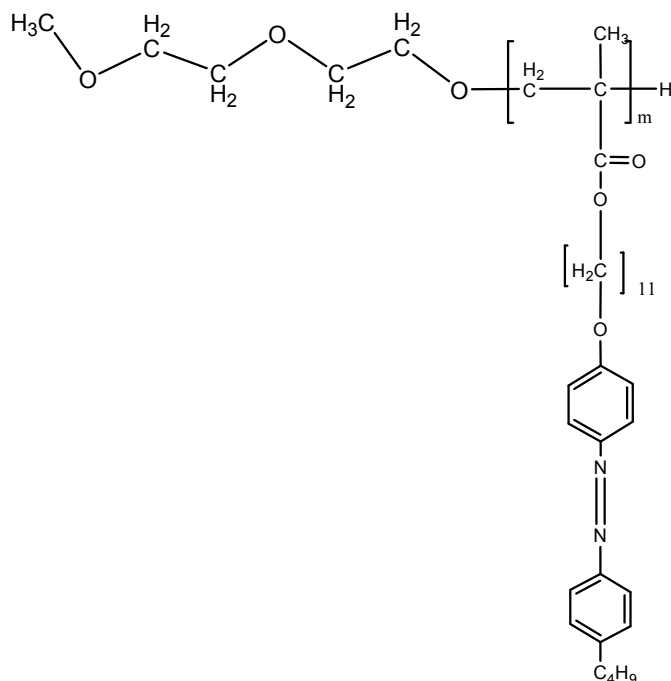


**Sample Name: Poly(AzoMA)**

(AZoMA=11-[4-(4-butylphenylazo)phenoxy]-undecyl methacrylate)

**Sample #: P9535C-AzoMA****Structure:****Composition:**

$M_n \times 10^3$	PDI
10.0	1.45
Microstructure	Syndio:hetero:iso 57:42:2

**Synthesis Procedure:**

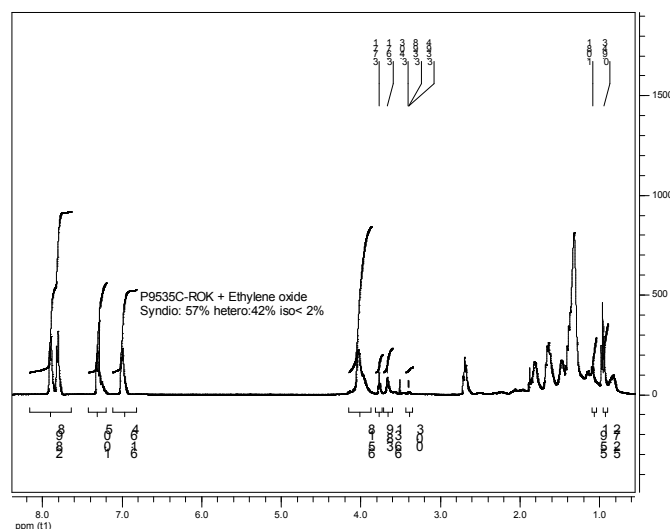
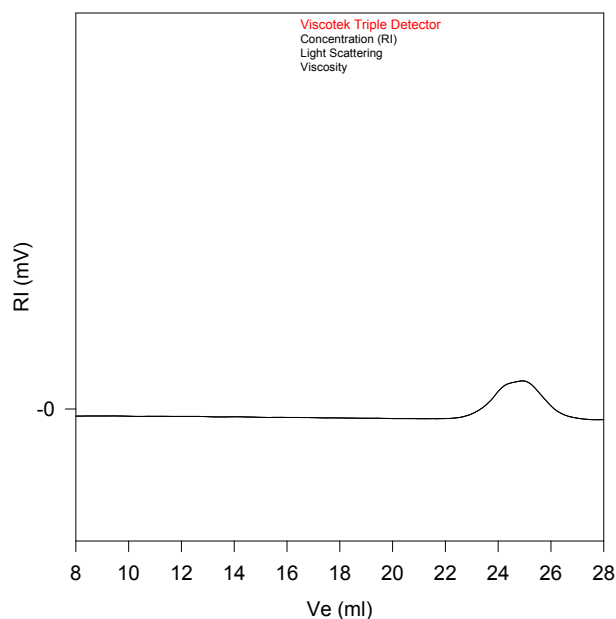
Poly(AzoMA) is prepared by anionic polymerization using alcolate initiator.

**Characterization:**

Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight.

**Solubility:**

Poly(AzoMA) is soluble in THF, acetone, and chloroform and it precipitates out in hexane or cold methanol.

 **$^1\text{H}$  NMR of the Polymer:****SEC of the Product:****P9535C-AZOMA**

Size Exclusion Chromatography of Polymer:

— PAZOMA :  $M_n = 10,000$   $M_w/M_n = 1.45$