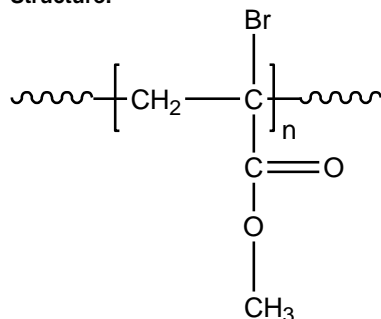


Sample Name: Poly( $\alpha$ -bromo-methyl acrylate)

Sample #: P8322A-BrMA

**Structure:**

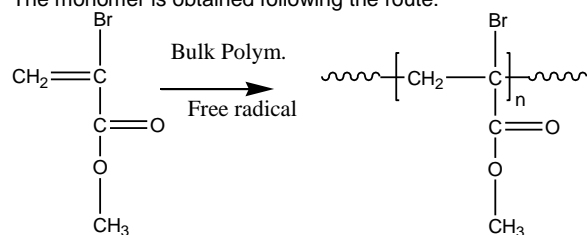


**Composition:**

Mn x 10 <sup>3</sup>	PDI
16.0	1.7

**Synthesis Procedure:**

Polymer is obtained by free radical polymerization in bulk.  
The monomer is obtained following the route:



**Characterization:**

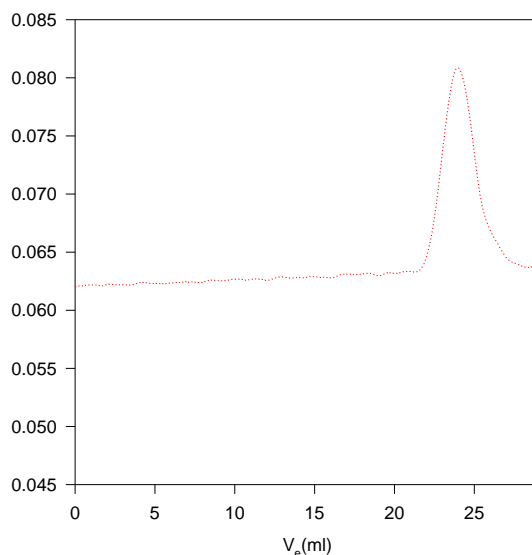
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

**Solubility:**

Poly( $\alpha$ -bromo-methyl acrylate) is soluble in THF,  $\text{CHCl}_3$ , 1,4-dioxane, toluene. It is precipitated out from cold ethanol methanol.

SEC of sample:

P8322A-BrMA



Size exclusion chromatography of Poly( $\alpha$ -bromo methyl acrylate)

Mn = 16000; Mw = 27000; PI = 1.7