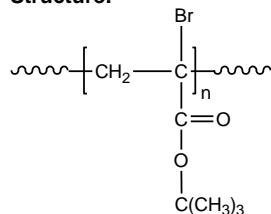


Sample Name: **Poly( $\alpha$ -bromo-t-butyl acrylate)**

Sample #: **P9963-BrTBuA**

**Structure:**

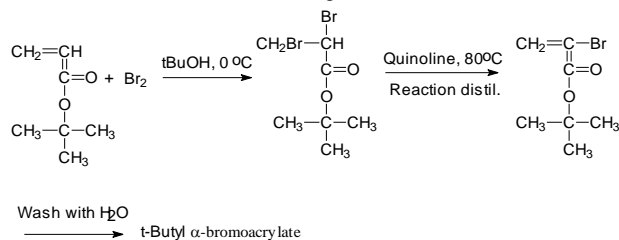


**Composition:**

$M_n \times 10^3$	PDI
65.0	2.5

**Synthesis Procedure:**

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



**Characterization:**

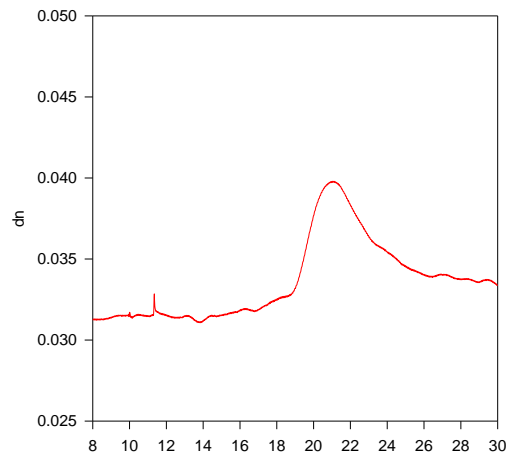
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

**Solubility:**

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

SEC of sample:

**P9963-BrTBuA**



Size Exclusion Chromatography of Poly( $\alpha$ -bromo-t-butyl acrylate):  
 $M_n=65,000$ ,  $M_w=162,500$ ,  $PI=2.5$