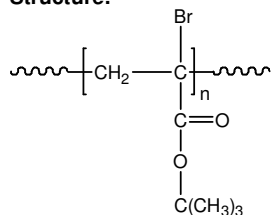


Sample Name: **Poly( $\alpha$ -bromo-t-butyl acrylate)**

Sample #: **P3377-BrTBuA**

**Structure:**

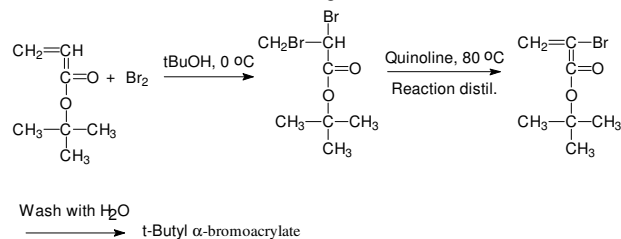


**Composition:**

$M_n \times 10^3$	PDI
2.0	1.7

**Synthesis Procedure:**

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



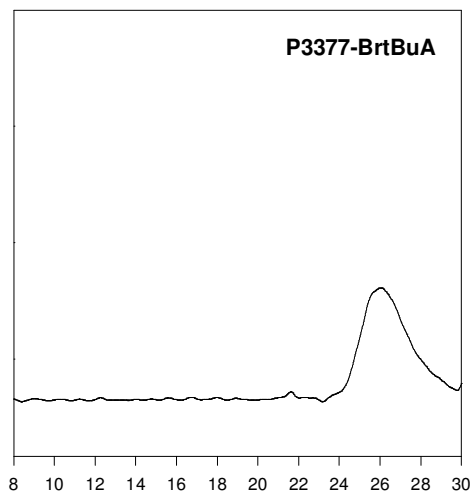
**Characterization:**

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

**Solubility:**

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

SEC of sample:



Size Exclusion Chromatography of Poly(  $\alpha$  bromo t-butyl acrylate):  
 $M_n=2000$ ,  $M_w=3400$ ,  $PI=1.7$