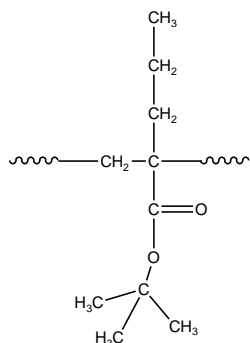


Sample Name: **Oligomer of  
Poly(tert.butyl  $\alpha$ -propyl acrylate)**  
Sample #: **P9546-PrtBuA**

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
30	1.15
$T_g$ ( $^{\circ}\text{C}$ )	66

**Characterization:**

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

**Thermal analysis:**

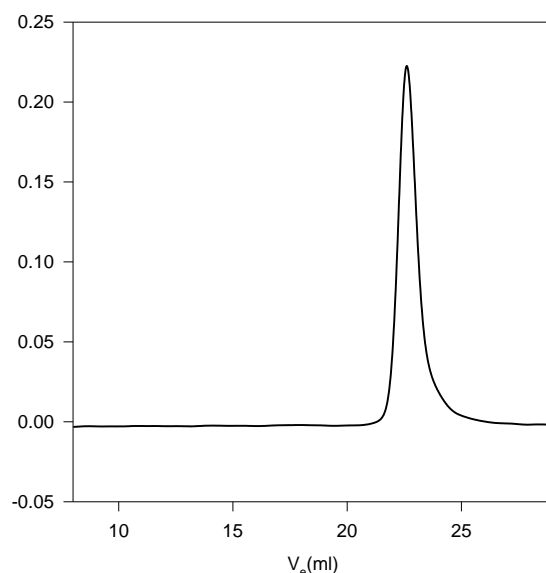
Thermal analysis of the sample was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of  $10^{\circ}\text{C}/\text{min}$ . The inflection glass transition temperature ( $T_g$ ) has been considered.

**Solubility:**

Poly(tert. butyl  $\alpha$ -propyl acrylate) is soluble in THF,  $\text{CHCl}_3$  and toluene, and can be precipitated from cold ethanol and methanol.

**SEC of sample:**

**P9546-PrtBuA**



Size exclusion chromatography of Poly(alpha-propyl ethyl acrylate)  
 $M_n = 30,000$ ;  $M_w = 34500$ ;  $PI = 1.15$

**DSC thermogram for the polymer:**

