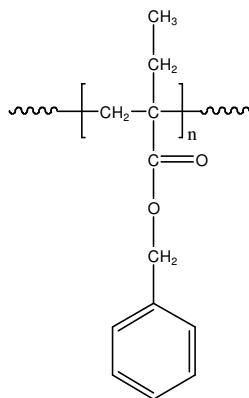


**Sample Name:** Poly(benzyl  $\alpha$ -ethyl acrylate)

**Sample #:** P3469-EBA

**Structure:**

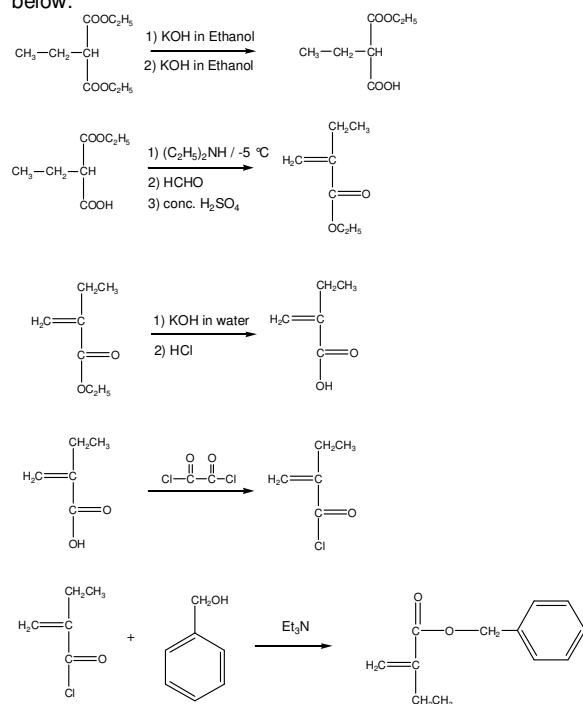


**Composition:**

Mn x 10 <sup>3</sup>	PDI
39.0	1.9

**Synthesis Procedure:**

Polymer is obtained by living anionic polymerization in THF at -78°C. The monomer is synthesized by route shown below:



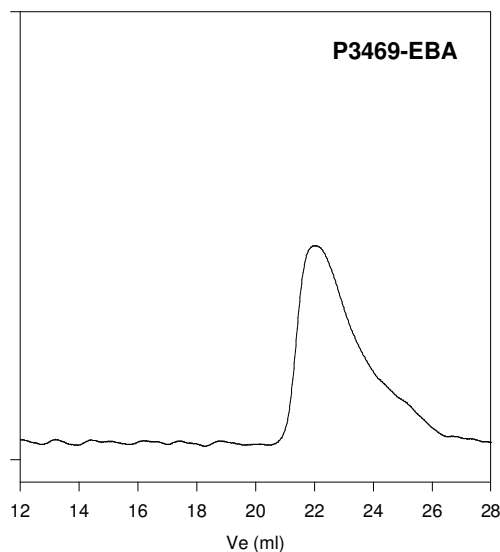
**Characterization:**

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

**Solubility:**

Poly(benzyl  $\alpha$ -ethyl acrylate) is soluble in THF, CHCl<sub>3</sub> and toluene, and can be precipitated from cold ethanol and methanol.

**SEC of sample:**



Size exclusion chromatography of poly(benzyl  $\alpha$ -ethylacrylate):

Mn = 39000; Mw = 74100; PI = 1.9