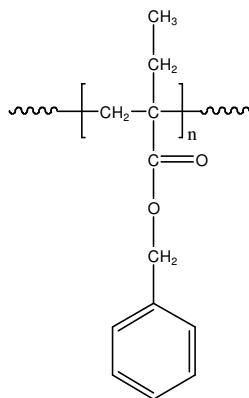


Sample Name: Poly(benzyl α -ethyl acrylate)

Sample #: P3463-EBA

Structure:

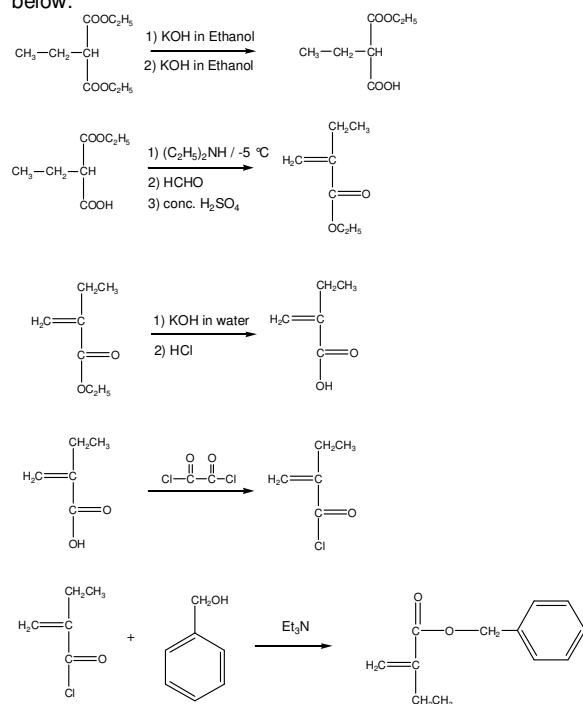


Composition:

Mn x 10 ³	PDI
7.5	1.4

Synthesis Procedure:

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



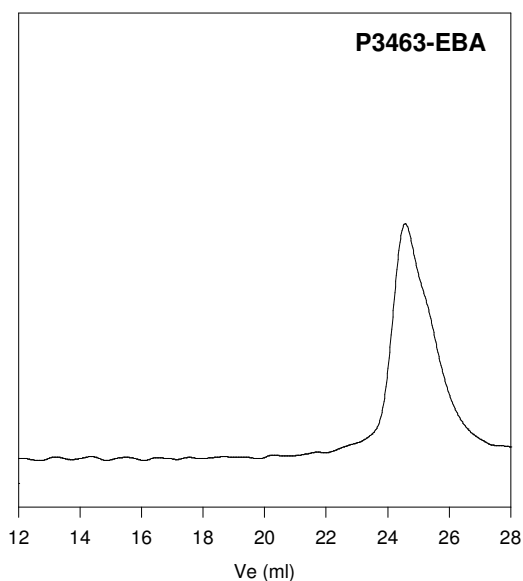
Characterization:

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

Solubility:

Poly(benzyl α -ethyl acrylate) is soluble in THF, CHCl_3 and toluene, and can be precipitated from cold ethanol and methanol.

SEC of sample:



Size exclusion chromatography of poly(benzyl α -ethylacrylate):

Mn = 7500; Mw = 10000; PI = 1.4.