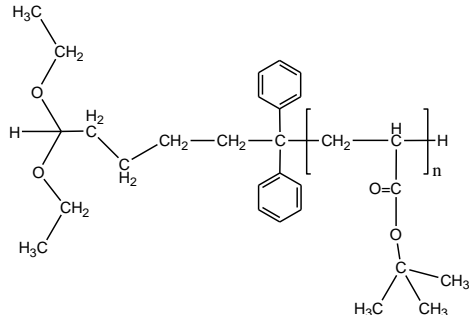


Diethyl acetal propionaldehyde Terminated Poly (t-butyl acrylate)

Structure:



Mn x 10 ³	PDI
2.5	1.2

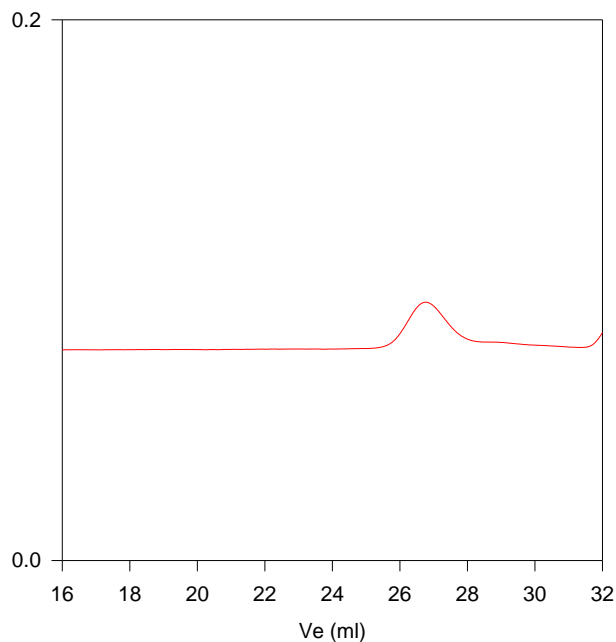
Diethyl acetal propionaldehyde Terminated Poly (t-butyl acrylate) is synthesized by living anionic polymerization of tert.butyl acrylate.

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) before inclusion of the CO₂H function using a Varian liquid chromatograph equipped with a UV and refractive index detector. The functionality of polymer was determined by the titration with NaOH, using phenolphthalein as the indicator.

The functionalized polymer is soluble in THF, toluene and chloroform. It precipitates into Methanol/water mixture.

[illegible]

P8826-tBuA-acetal



Size Exclusion Chromatography of Poly tert. Butyl acrylate

Mn : 2500 Mw:3000 Mw/Mn 1.2