

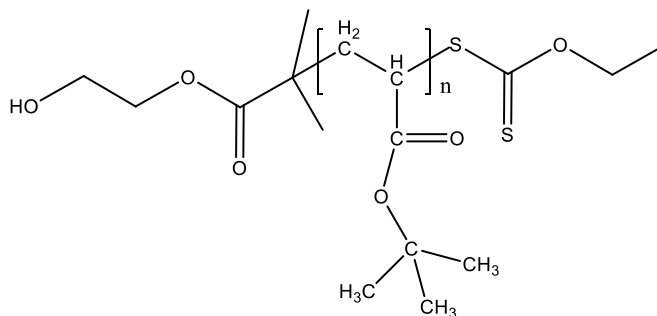
Product Profile

Identification

Product Name: Poly(tert-butyl acrylate),(ω-RAFT,α-Hydroxy)-terminated

Product Lot Number: P44564A-tBuAOH-RAFT

Product Chemical Architecture:

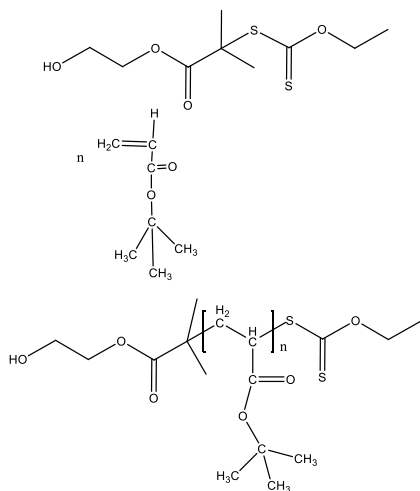


Composition:

Mn x 10 ³	Mw/Mn (PDI)
5.5	1.7
Dp: PtBuA ₃₉ from ¹ H NMR	
OH functionality% : 98 (¹ H NMR)	

Method of Synthesis

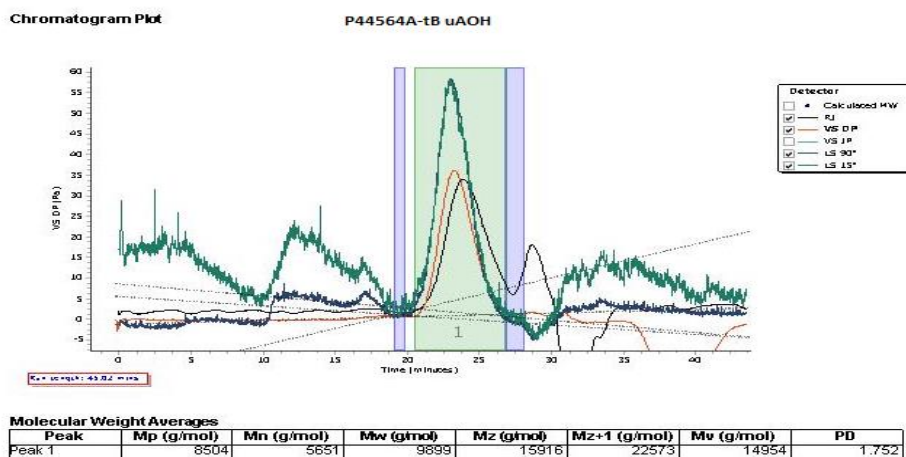
The polymer is synthesized by RAFT polymerization process using Hydroxyl containing RAFT reagents. The following reaction scheme shows how the product was prepared:



Solubility of polymer in different solvents

THF	✓	Acetone	✓
CHCl ₃	✓	CHCl ₃	✓
Toluene-Hot	✓	Methanol-Hot	Opaque soluble

Gel Permeation Chromatography (GPC), SEC- Profile for PtBuA-OH:



A.
B.

NMR (HNMR) of polymer:

