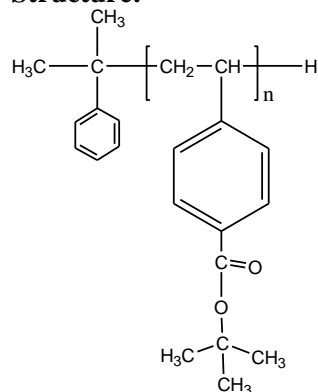


Sample Name:
Poly(4-vinyl tert.butyl benzoate)

Sample #: P40597-tBu-4VBA

Structure:



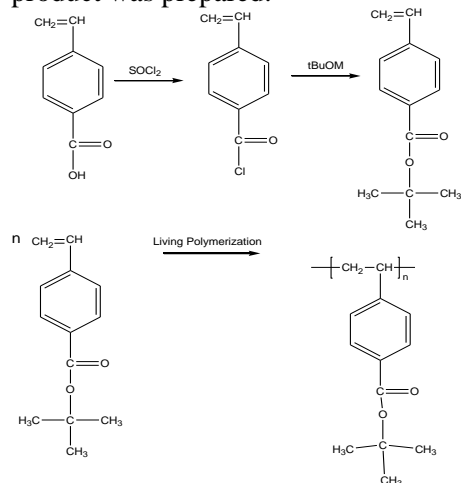
Composition:

$M_n \times 10^3$	PDI
25.0	1.08

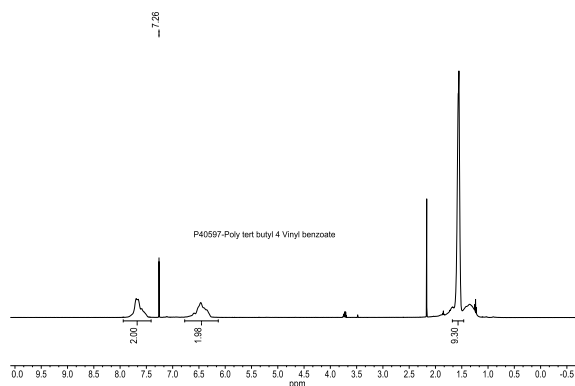
Synthesis Procedure:

Poly(4-vinyl tert.butyl benzoate) is synthesized by anionic polymerization process.

The following reaction scheme shows how the product was prepared:



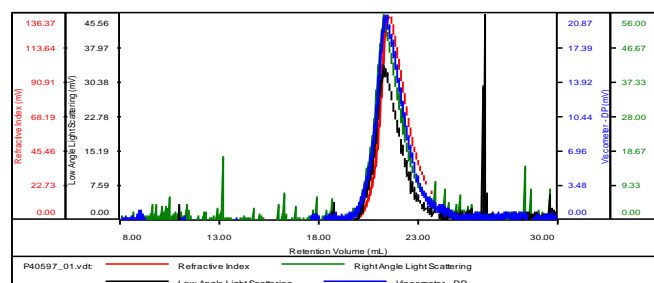
¹H NMR spectrum of the polymer:



SEC elugram of poly (t-butyl vinylbenzoate):

P40597-VBA-tert.BuEster

Concentration (mg/mL)	2.1253
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-Feb2017-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40597_01.vdt	24,716	26,747	1.082	0.4610	26,204

Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

Solubility:

Polymer is soluble in DMF, THF and CHCl₃. It precipitates from water and cold hexanes.