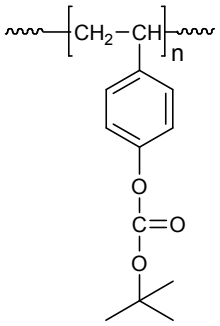
Sample Name:
Poly(4-((tert-butoxycarbonyl)oxy)styrene)

Sample #: **P16109P-4BOCS**

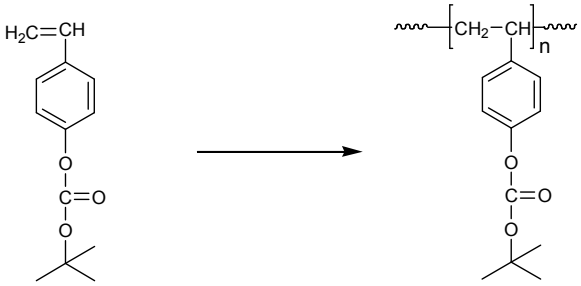
Structure:



Composition:

Mn x 10^3	PDI
207.5	1.32

Synthesis Procedure:
Poly(4-((tert-butoxycarbonyl)oxy)styrene) is synthesized by free-radical polymerization of 4-((tert-butoxycarbonyl)oxy)styrene and the reaction scheme is shown below.



Characterization:

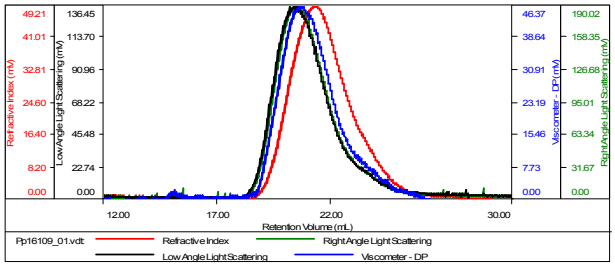
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography in THF.

Solubility:
Poly(4-Boc-styrene) is soluble in DMF, THF, toluene and $CHCl_3$. It precipitates from methanol, ethanol, water and hexanes.

SEC of Homopolymer:

Sample ID: P16109P

Concentration (mg/mL)	1.6410
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-Oct2016-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
Pp16109_01.vdt	207,423	273,510	1.319	2.4705	230,239