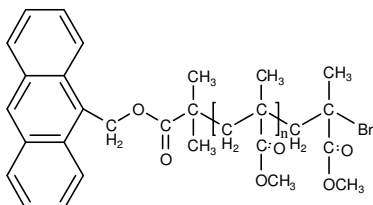


**Sample Name: Anthracene Terminated Poly(methyl methacrylate)**

**Sample #: P14957-MMA-An**

**Structure:**

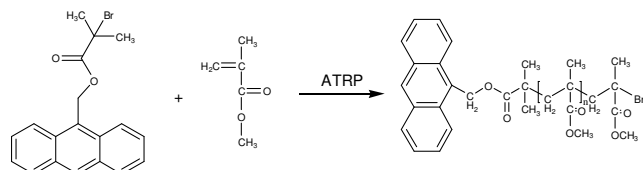


**Composition:**

Mn x 10 <sup>3</sup>	PDI
6.5	1.25
Microstructure (S:H:I)	
58:38:4	

**Synthesis Procedure:**

Anthracene ended polymethyl methacrylate is prepared via atom transfer radical polymerization of methyl methacrylate using an anthracene-containing initiator, 9-anthracenemethyl-2-bromoisobutyrate.



**Characterization:**

The polymer was characterized by SEC and <sup>1</sup>H NMR.

**Functionality:** functionality of the obtained polymer was determined by proton NMR.

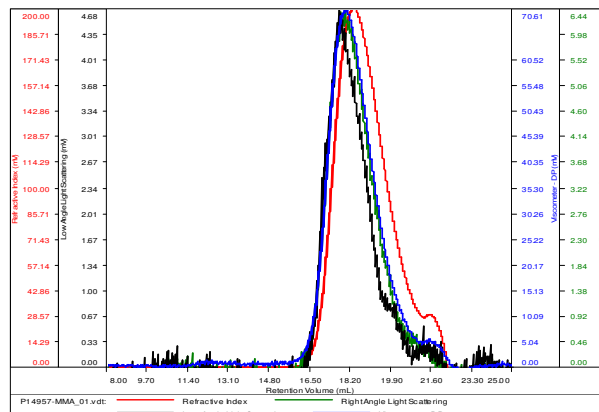
**Solubility:**

Anthracene terminated PMMA is soluble in DMF, THF, toluene, and CHCl<sub>3</sub>. It precipitates from methanol, hexane and water.

**SEC elugrame:**

**SAMPLE ID: P14957-MMA-An**

Conc (mg/mL)	28.6679
dn/dc (mL/g)	0.0650
Method	ps80k:21Jan2016-DMF-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P14957-MMA_01.vdt	6,655	8,313	8,730	1.249	0.0604

**<sup>1</sup>H NMR spectrum of Polymer:**

