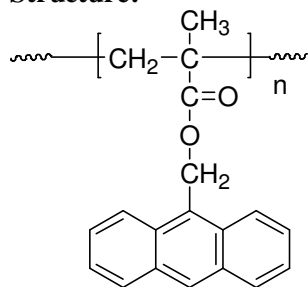


Sample Name:

**Poly(9-Anthracenyl methyl methacrylate)**

Sample #: **P19674-AnMA**

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
7.0	1.5

**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.  $^1H$  NMR analysis was carried out on Varian instrument at 500MHz.

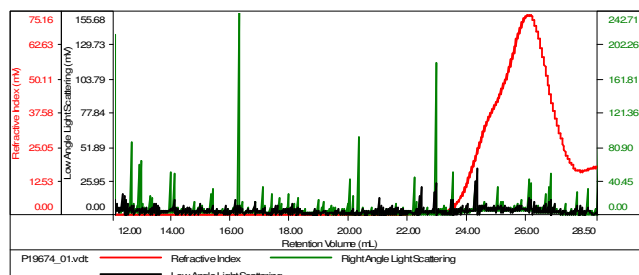
**Solubility:**

Polymer is soluble in THF,  $CHCl_3$ , toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

**SEC of Homopolymer:**

**Sample ID-PD19674-9AnMMA**

Concentration (mg/mL)	1.8603
Sample dn/dc (mL/g)	0.0840
Method File	PS80KJune30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersi	Intrinsic Viscosity (dL/g)
P19674_01.vcl	7,277	11,080	7,897	1.523	0.1212