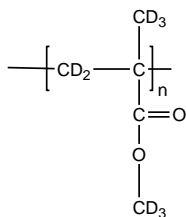


**Sample Name:** Poly (methyl methacrylate)-d<sub>8</sub>

**Sample #:** P41929-dPMMA

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	78.5
PDI	1.3

**Synthesis Procedure:**

Deuterated poly(methyl methacrylate)-d<sub>8</sub> is obtained by controlled RAFT polymerization process.

**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in DMF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

**Solubility:**

Deuterated poly (methyl methacrylate)-d<sub>8</sub> is soluble in THF, CHCl<sub>3</sub>, toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

**SEC elugram of Homopolymer:**

Agilent GPC/SEC Software

