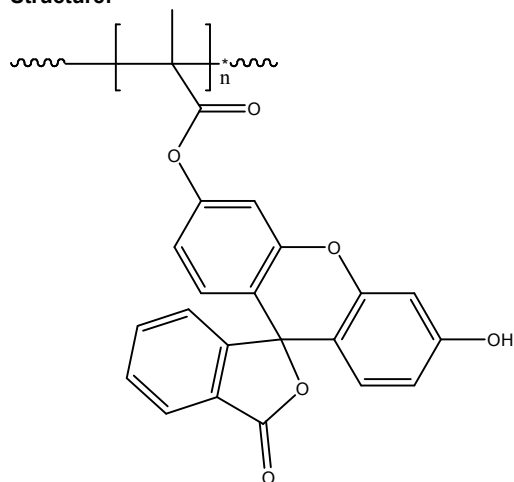


SEC of the Homopolymer:

Sample Name: **Poly(fluorescein methacrylate)**

Sample #: **P8193-FMA**

Structure:

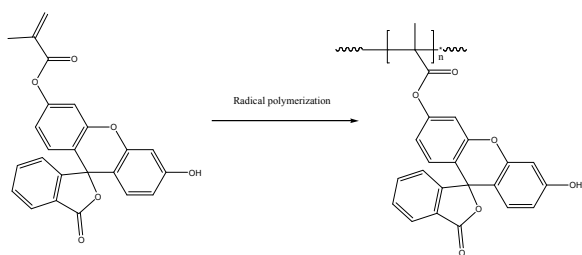


Composition:

Mn x 10 ³	PDI
140.0	1.5

Synthesis Procedure:

Poly(fluorescein methacrylate) is obtained by radical polymerization process. The polymerization scheme can be illustrated as follows:



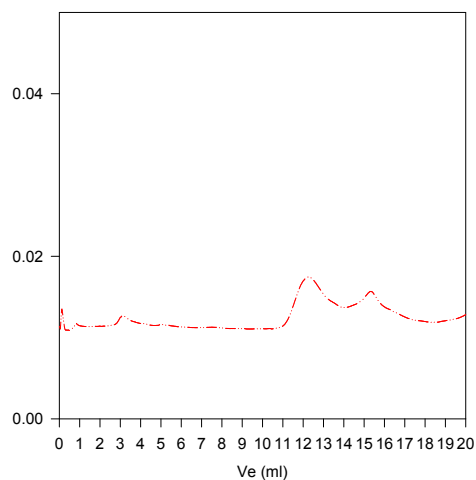
Characterization:

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 UV light scattering detectors. Three SEC columns from Supelco

Solubility:

Poly(Fluorescein methyl methacrylate) is soluble in DMF, water. The polymer precipitates from THF, hexane.

P8193-FMMA



--- Poly-fluorescein methylmethacrylate (run in DMF /LiBr 0.05M) at 40 oC:
M_n=140,000, M_w=210,000 PI=1.5
There might be a formation of aggregates as evidenced in our analysis of polymer with different amount of LiBr in DMF