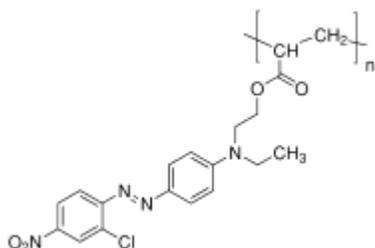


Sample Name:

Poly[4'[[2-(acryloyloxy)ethyl]ethylamino]-2-chloro-4-nitroazobenzene] (PDR13A) or Poly(Disperse Red 13 acrylate)

Sample#: P6590-DR13A

Structure:



Composition:

Mn x 10 ³	PDI
2.5	1.25

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, CHCl₃, acetone. The polymer precipitates from hexanesl.

SEC of Homopolymer:

P6590-DR13A

