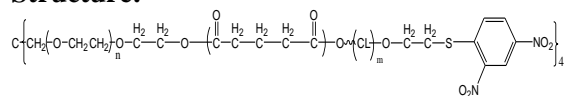


**Sample Name:** Four-Arm Poly (ethylene oxide-b-ε-caprolactone) dinitrobenzene terminated

**Sample#:** P14702-4EOCL-DNB

**Structure:**

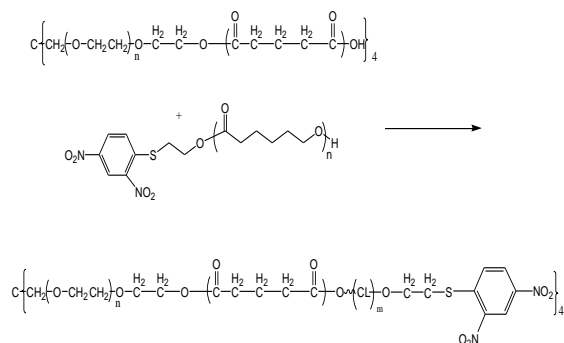


**Composition:**

Mn x 10 <sup>3</sup> Total	Mn x 10 <sup>3</sup> Each branch
1.8-b-16.0	0.45-b-4.0
PDI	1.22

**Synthesis Procedure:**

The polymer was prepared by coupling reaction of carboxy terminated 4 arm poly (ethylene glycol) with dinitrobenzene terminated polycaprolactone in THF. The following reaction scheme shows how the product was prepared:



**Characterization:**

The product was characterized by <sup>1</sup>H NMR.

**Solubility:**

Four-Arm Poly(ethylene oxide-b- ε -caprolactone) dinitrobenzene terminated is soluble in CHCl<sub>3</sub>, THF, DMF, toluene and precipitated out from diethyl ether.

**<sup>1</sup>HNMR spectrum of the Polymer:**

