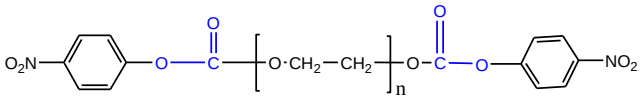
Sample Name:
α- ω- Nitro PhenylCarbonate Poly ethylene glycol

Sample #: **P40685-EGNPC2**

Structure:



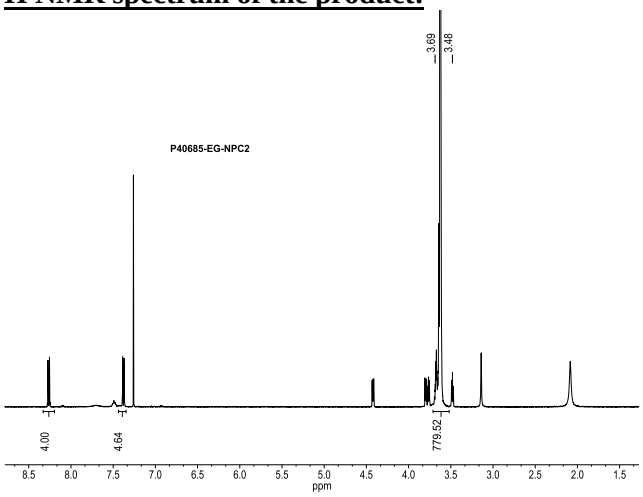
Composition:

Mn x 10^3	PDI
8.0	1.10
HNMR	0.99

Synthesis Procedure:
α- ω- Nitro PhenylCarbonate Poly ethylene glycol is synthesized by living anionic polymerization process.

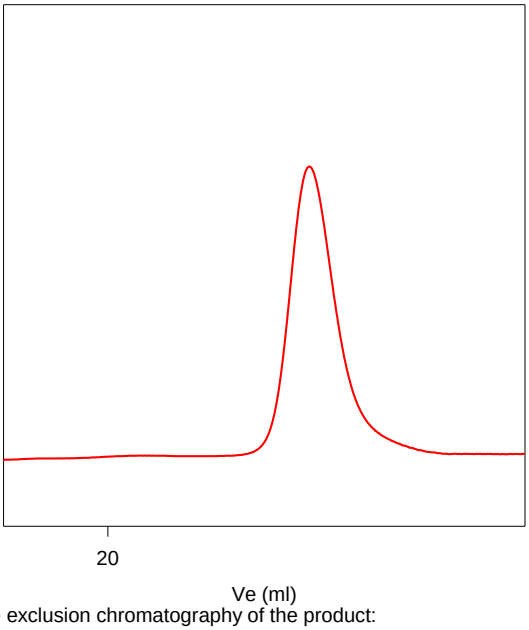
Characterization:
The product was characterized by size exclusion chromatography (SEC) and ^{1}H NMR.

H NMR spectrum of the product:



SEC elugram of the product:

P40685-EGNPC2



Size exclusion chromatography of the product:

Poly(ethylene glycol NPC2) : M_n=8,000, M_w=8,800, M_w/M_n=1.10

Reference (s):
S. K. Varshney, J.X. Zhang, US patent 7,009,033 B2, 2006
Assigned to Polymer source, Inc. Canada
Heterofunctional Polyethylene glycol and Poly ethylene oxide, process for their Manufacture