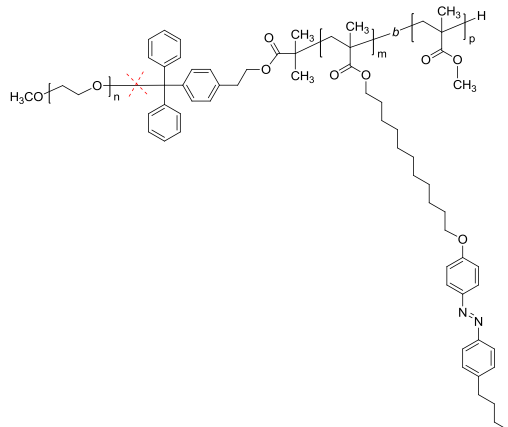


Sample Name:

Poly(ethylene oxide)-b-poly(11-[4-(4'-butylphenylazo)phenoxy]-undecyl methacrylate)-b-poly(methyl methacrylate), Acid-cleavable at PEO block junction

Sample #: **P40804E-EO-cleav-AzoMAMMA**

Structure:

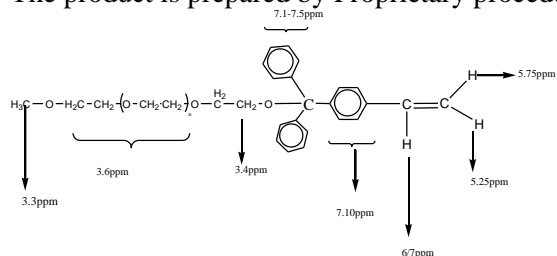


Composition:

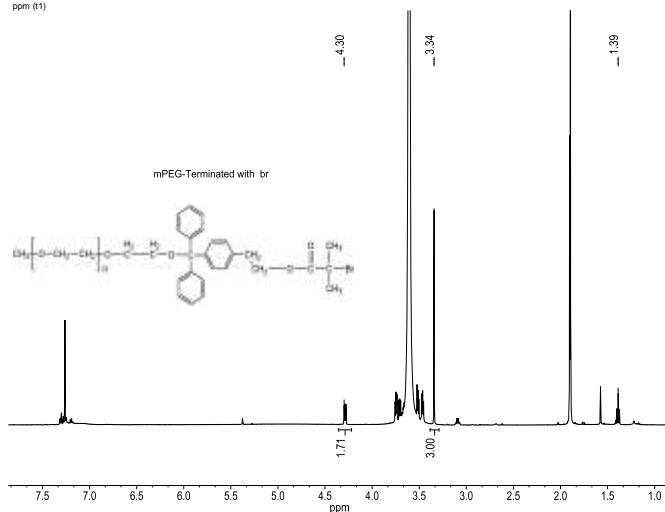
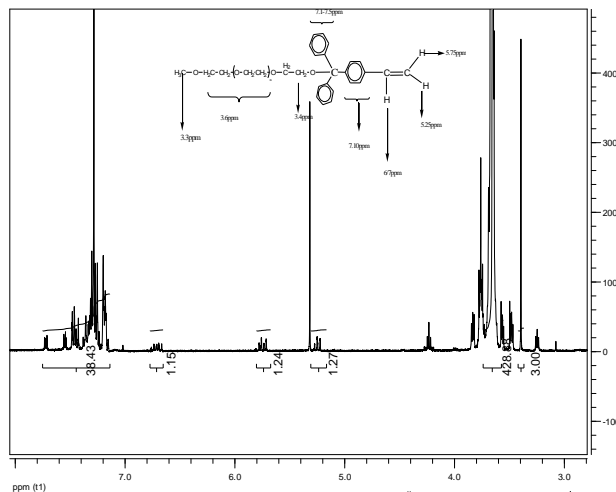
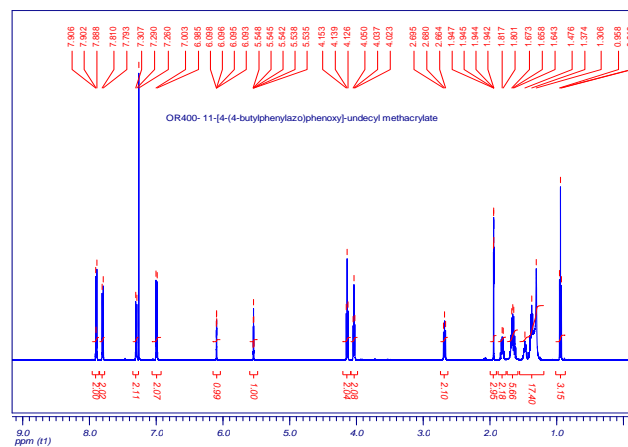
Mn x 10 ³	PDI
PEO-b-PAzoMA-b-PMMA	
5.0-b-1.0-b-11.0	1.15

Synthesis Procedure:

The product is prepared by Proprietary procedure:



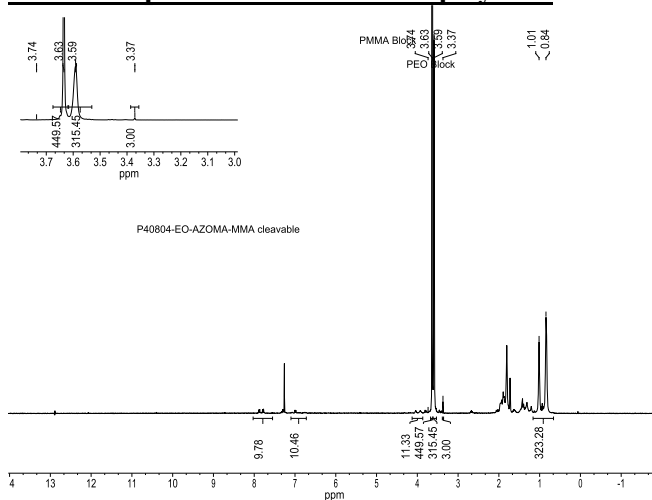
¹H-NMR Spectrum of the monomer:



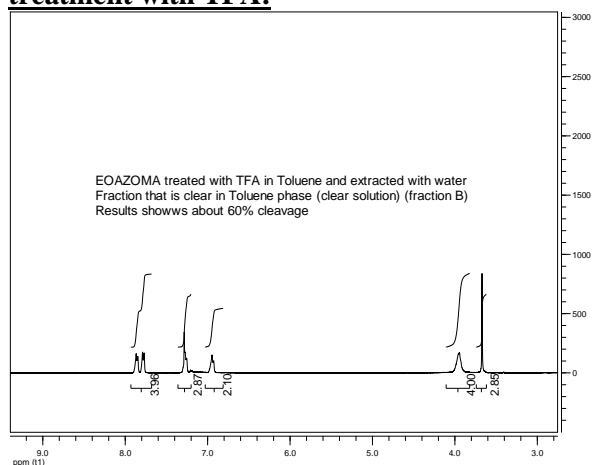
Characterization:

The product is characterized by GPC and HNMR.

¹H-NMR Spectrum of the block copolymer:

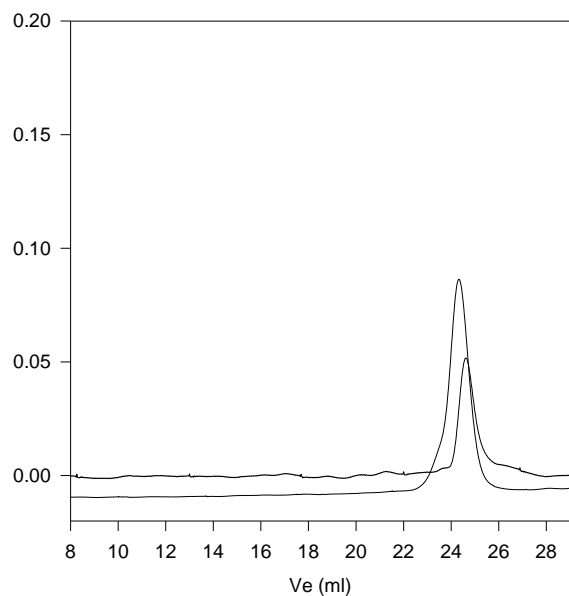


^1H NMR of the product in the emulsion after treatment with TFA:



SEC elugram of the polymer:

P40804E-EOAZOMAMMA Cleavable



Size exclusion chromatography of poly(EO-b-4CNBPHMA)

- PEG block $M_n=5000$, $M_w=5300$, $M_w/M_n=1.05$
- Poly(ethylene glycol-b-AZOMA)
 M_n : PEO(5000)-b-AZOMA-b-MMA(12,000) $M_w/M_n=1.15$
 Composition from ^1H NMR