

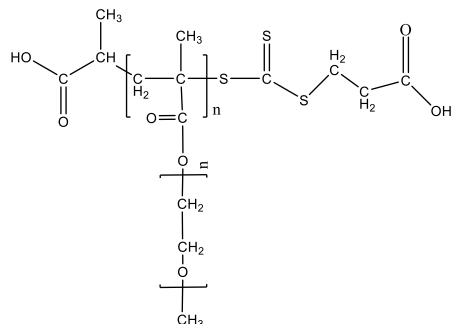
Product Profile

Identification

Product Name: Poly(oligo(ethylene glycol) methyl ether methacrylate) 300

Product Lot Number: P80576-POEGMA

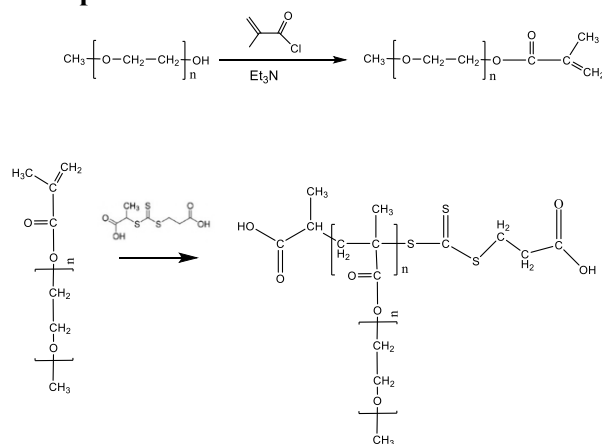
Product Chemical Architecture: POEGMA, Poly(oligo(ethylene glycol) methacrylate)



Composition:

Mn x 10 ³	Mw/Mn (PDI)	Microstructure of Polymer by ¹ H NMR
185.0	1.23	Heterotactic rich

Method of Synthesis: By RAFT process

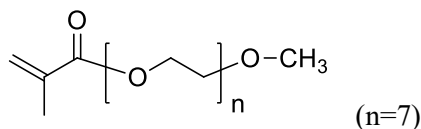


Solubility in different solvents

THF	✓	H ₂ O	✓
CHCl ₃	✓	DMF	✓
Toluene-Hot	✓	Dioxane	✓

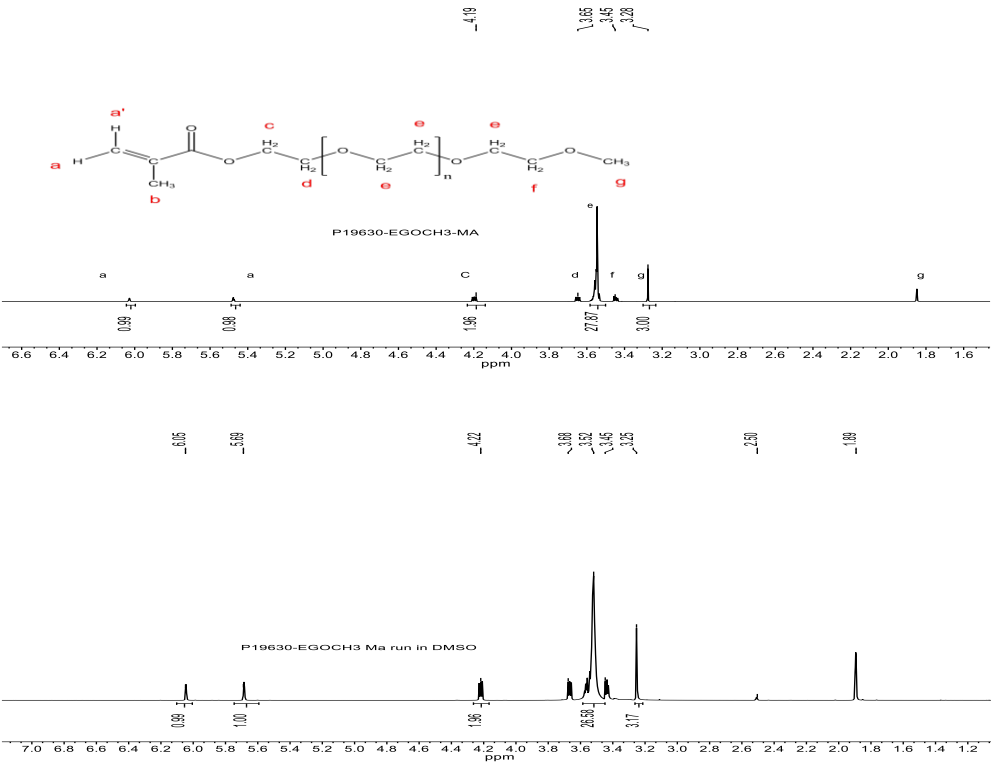
Following monomer was used: oligo(ethylene glycol) methyl ether methacrylate

Lot#P19630-EGOCH3MA



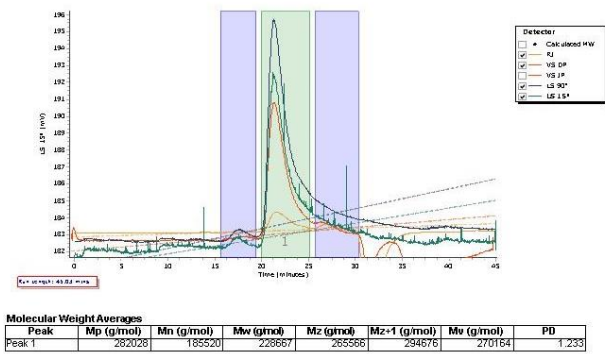
Molecular weight (g/mol):	$M_n = 300$
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¹H NMR spectrum of the oligomer:



Validation of Architecture:

A. Gel Permeation Chromatography (GPC), SEC- Profile



B. NMR (HNMR) of polymer:

