

Product Profile

Identification

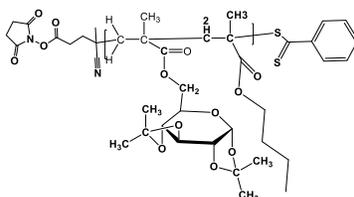
Product Name:

Poly(glucose methacrylate-co-n-Butylmethacrylate), α -N-hydroxysuccinimidyl(NHS)-terminated

Product Lot Number: P44918-NHS-GluMA_nBuMA_r

Category: NHS Protected RAFT, RAFT Polymerization agent

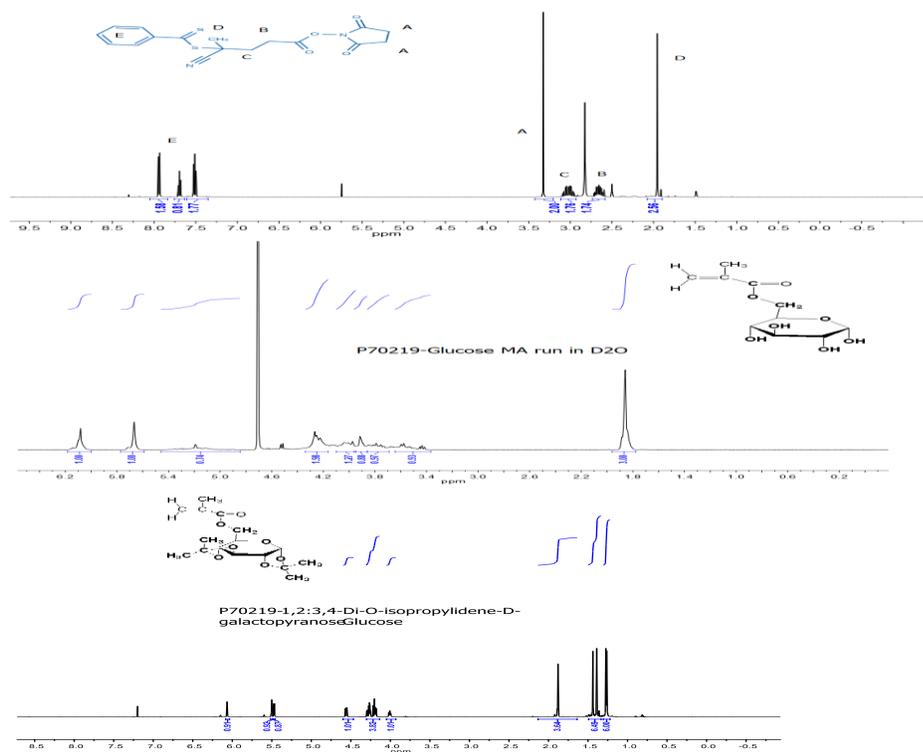
Product Chemical Architecture:



Composition:

Mn x 10 ³	Mw/Mn (PDI)	Composition GluMA:nBuMA
5.0	1.45	5:5

Method of Synthesis: By RAFT Process using following RAFT moiety:

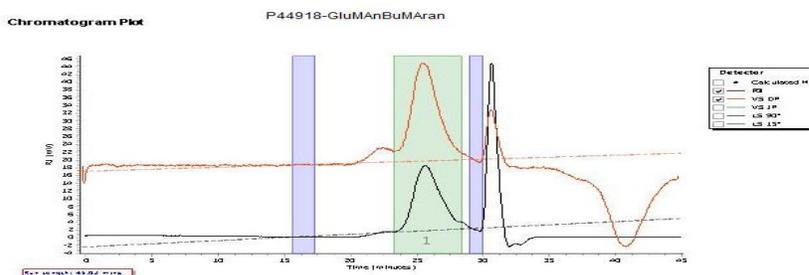


Solubility of polymer in different solvents

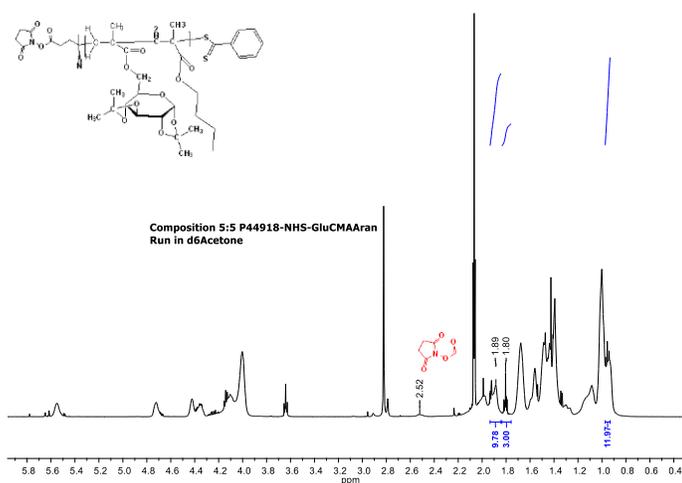
THF	√	Acetone	√
CHCl ₃	√	Ethanol	√
Water	X	Methanol	Hazy and clear at 50oC

Purification of Polymer: By Soxhlet extraction of unreacted RAFT
Validation of Architecture:

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



B. NMR (^1H NMR)



C. FTIR spectrum:

