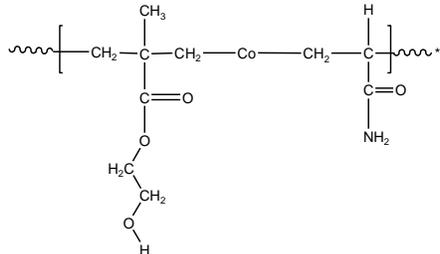


Sample Name: Poly(2-hydroxyethyl methacrylate-co-acrylamide), random

Sample #: P41067R-HEMAAMDran

Structure:



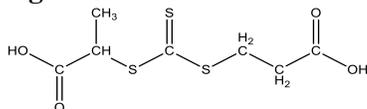
Composition:

Mn x 10 ³ HEMA-co-AMD	PDI
27.0	1.16
HEMA: AMD molar ratio 65:35	
Solubility in Water yes	

Synthesis Procedure:

The polymer was synthesized by RAFT process using following RAFT reagent:

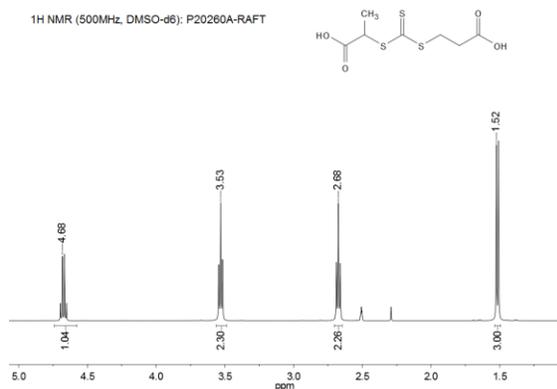
RAFT reagent Structure:



Chemical Formula: C₇H₁₀O₄S₃
Molecular Weight: 254.3

Purity:	> 95 %
Storage temperature:	2–8°C

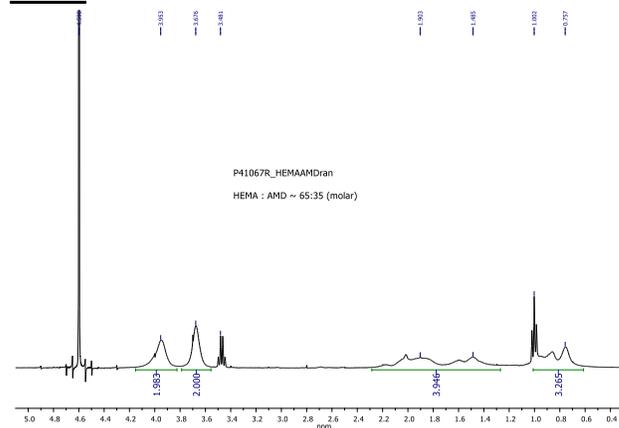
1H NMR spectrum of RAFT reagent (500 MHz, DMSO-d₆):



Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

1H NMR spectrum of the polymer runs in DMF:



SEC elugram of the polymer (DMF):

