

Product Profile

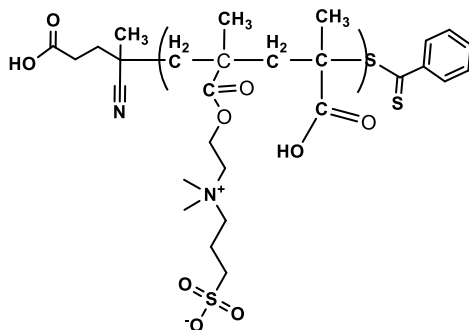
Identification

Product Name: Poly(sulfopropylbetaine (SPB) methacrylate-co-Methacrylic acid), random

or: Poly [2-(Methacryloyloxy)ethyl]dimethyl-(3-sulfopropyl)ammonium hydroxide with Methacrylic acid random copolymer

Product Lot Number: P44932A-DMAPSMAAran

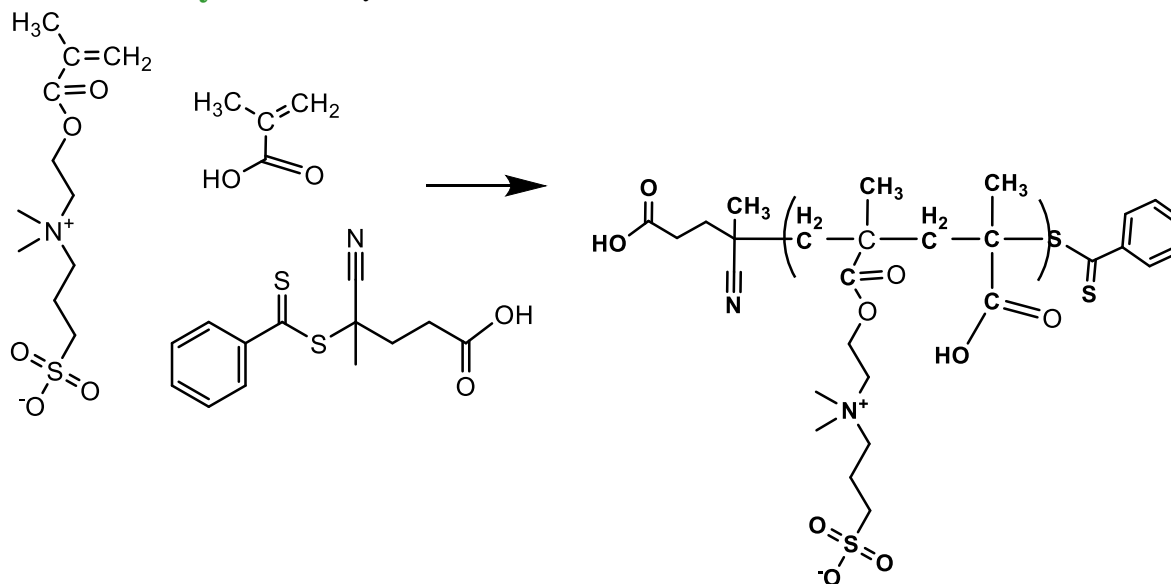
Product Chemical Architecture:



Composition:

Mn x 10 ³ (from HNMR)	Mw/Mn (PDI)	Composition DMAPS: MAA
12.0	1.8	25:75
Dp of DMAPS-MAA: 23-77		

Method of Synthesis: By RAFT Process



Solubility in different solvents

THF	X	DMSO	√
CHCl ₃	X	DMF	√
Water	√	Acetone	X

Purification of Polymer: By Soxhlet extraction of unreacted RAFT

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

B. NMR (HNMR) of polymer:

