

## Product Profile

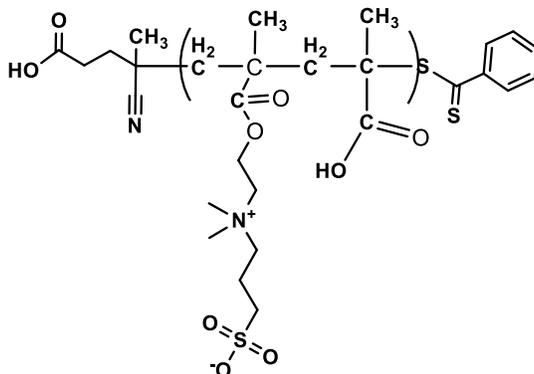
### Identification

**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:** P44932E-DMAPSMAAran

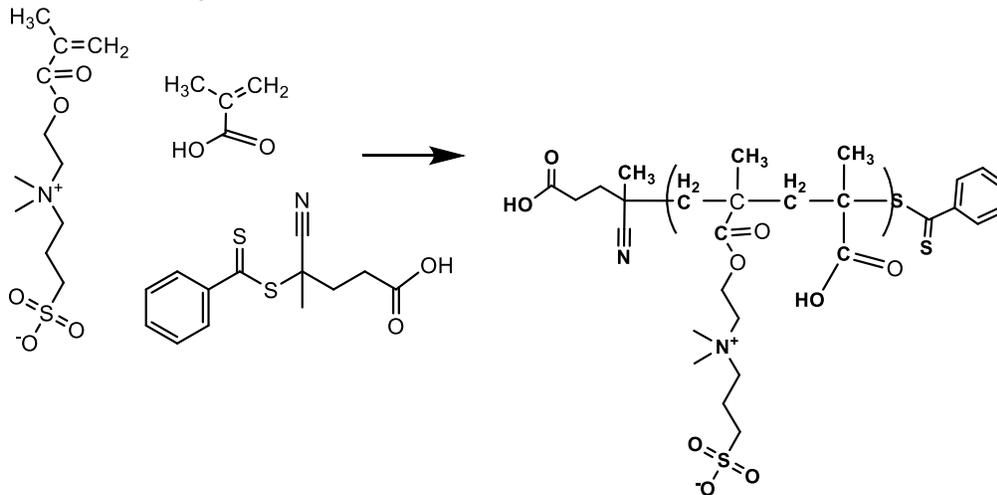
**Product Chemical Architecture:**



**Composition:**

| Mn x 10 <sup>3</sup> | Mw/Mn (PDI) | Composition<br>DMAP:MAA |
|----------------------|-------------|-------------------------|
| 4.0                  | 1.7         | 67:33                   |
| DP: DMAPS-MAA 13-7   |             |                         |

**Method of Synthesis:** By RAFT Process



**Solubility in different solvents**

|                   |   |         |   |
|-------------------|---|---------|---|
| THF               | X | DMSO    | √ |
| CHCl <sub>3</sub> | X | DMF     | √ |
| Water             | √ | Acetone | X |

**Purification of Polymer:** By Soxhlet extraction of unreacted RAFT

