



>>Entry Name: ***N*-(3-Aminopropyl)-2-methyl-2-propenamide**, 9CI

Synonym(s): Propanediamine methacrylamide

CAS Registry Number: 86742-39-4

Related CAS Registry Numbers(s): 72607-53-5

$\text{H}_2\text{C}=\text{C}(\text{CH}_3)\text{CONHCH}_2\text{CH}_2\text{CH}_2\text{NH}_2$

Molecular Formula: $\text{C}_7\text{H}_{14}\text{N}_2\text{O}$

Molecular Weight: 142.2

Accurate Mass: 142.110613

Percentage Composition: C 59.13%; H 9.92%; N 19.70%; O 11.25%

>>Derivative: *N,N*-Di-Me

Synonym(s): *N*-[3-(Dimethylamino)propyl]-2-methyl-2-propenamide, 9CI

CAS Registry Number: 5205-93-6

Molecular Formula: $\text{C}_9\text{H}_{18}\text{N}_2\text{O}$

Molecular Weight: 170.254

Accurate Mass: 170.141913

Percentage Composition: C 63.49%; H 10.66%; N 16.45%; O 9.40%

Use/Importance: Monomer

Boiling Point: $\text{Bp}_{0.005}$ 71-80°

References:

Ger. Pat., 1966, 1 211 156; *CA*, **64**, 15851b, (*N,N*-di-Me)

Bahr, U. *et al.*, *Makromol. Chem.*, 1972, **161**, 1-47, (*N,N*-di-Me)

Si, K. *et al.*, *Macromol. Chem. Phys.*, 1996, **197**, 2403-2413, (*N,N*-di-Me)