



>>Entry Name: ***O*-(2-Propenyl)hydroxylamine**, 9CI

Synonym(s): Allyloxyamine. *O*-Allylhydroxylamine

CAS Registry Number: 6542-54-7

$\text{H}_2\text{C}=\text{CHCH}_2\text{ONH}_2$

Molecular Formula: $\text{C}_3\text{H}_7\text{NO}$

Molecular Weight: 73.094

Accurate Mass: 73.052764

Percentage Composition: C 49.30%; H 9.65%; N 19.16%; O 21.89%

Boiling Point: Bp 98-99°

>>Derivative: Hydrochloride

CAS Registry Number: 38945-21-0

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 171°

Fluka: 5983

References:

Kleinschmidt, R.F. *et al.*, *J.A.C.S.*, 1944, **66**, 1929, (*synth*)

Grochowski, E. *et al.*, *Synthesis*, 1976, **10**, 682, (*synth*)

Japan. Pat., 1978, 78 46 904; *CA*, **89**, 108106, (*synth*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1982, **10**, 5, (*use*)