



>>Entry Name: 3-Amino-1-butanol, 9CI

CAS Registry Number: 2867-59-6

H3CCH(NH2)CH2CH2OH

Molecular Formula: C4H11NO

Molecular Weight: 89.137

Accurate Mass: 89.084064

Percentage Composition: C 53.90%; H 12.44%; N 15.71%; O 17.95%

Aldrich: 29338-5

>>Variant: (±)-form

Molecular Formula: C4H11NO

Molecular Weight: 89.137

Accurate Mass: 89.084064

Percentage Composition: C 53.90%; H 12.44%; N 15.71%; O 17.95%

Boiling Point: Bp₁₉ 82-85°

Solubility: Sol. H₂O

>>Derivative: *N*-Me

Extra CAS Registry Numbers(s): 2704-55-4

Molecular Formula: C5H13NO

Molecular Weight: 103.164

Accurate Mass: 103.099714

Percentage Composition: C 58.21%; H 12.70%; N 13.58%; O 15.51%

Boiling Point: Bp₁₃ 77-79°

Solubility: Sol. H₂O

>>Derivative: *N,N*-Dibutyl

Extra CAS Registry Numbers(s): 41788-34-5

Molecular Formula: C12H27NO

Molecular Weight: 201.351

Accurate Mass: 201.209264

Percentage Composition: C 71.58%; H 13.52%; N 6.96%; O 7.95%

Physical Description: Liq.

Other: PB D11150

References:

Schnider, O., *CA*, 1947, **41**, 6199, (*synth*)

Schoenberger, H. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1965, **298**, 371, (*deriv*)

Ger. Pat., 1973, 2 243 143; *CA*, **79**, 18602p, (*N,N-dibutyl*)

Japan. Pat., 1975, 75 116 408; *CA*, **84**, 58611a

Bartoli, G. *et al.*, *J.O.C.*, 1994, **59**, 5328, (*synth, pmr, cmr, ms*)

Evans, P.A. *et al.*, *J.C.S. Perkin I*, 1996, 123, (*synth, ir, pmr, cmr, ms*)