



>>Entry Name: 4-Amino-2-butyne-1-ol, 9CI

CAS Registry Number: 63200-68-0

HOCH2C#CCH2NH2

Molecular Formula: C_4H_7NO

Molecular Weight: 85.105

Accurate Mass: 85.052764

Percentage Composition: C 56.45%; H 8.29%; N 16.46%; O 18.80%

Physical Description: Cryst.

Melting Point: Mp 62°

Boiling Point: Bp_{0.2} 92°

>>Derivative: Hydrochloride

CAS Registry Number: 39711-80-3

Physical Description: Cryst.

Melting Point: Mp 175°

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

CAS Registry Number: 14597-26-3

Molecular Formula: $C_6H_{11}NO$

Molecular Weight: 113.159

Accurate Mass: 113.084064

Percentage Composition: C 63.69%; H 9.80%; N 12.38%; O 14.14%

Physical Description: Liq.

Boiling Point: Bp_{0.5} 80°

Refractive Index: n_D²⁰ 1.4760

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

CAS Registry Number: 10575-25-4

Molecular Formula: $C_8H_{15}NO$

Molecular Weight: 141.213

Accurate Mass: 141.115364

Percentage Composition: C 68.04%; H 10.71%; N 9.92%; O 11.33%

Physical Description: Liq.

Boiling Point: Bp₁₀ 117°

Density: d²⁵ 0.94

Refractive Index: n_D²⁵ 1.4735

References:

Marszak-Fleury, A. *et al.*, *Bull. Soc. Chim. Fr.*, 1963, 1270-1272, (*synth*)

Juenge, E.C. *et al.*, *J.O.C.*, 1964, **29**, 226-228, (*synth*)

Courtois, G. *et al.*, *Bull. Soc. Chim. Fr.*, 1983, 21-27, (*N,N-di-Et*)