



>>Entry Name: **4-Amino-1-butanol**

CAS Registry Number: 13325-10-5

$\text{H}_2\text{NCH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_4\text{H}_{11}\text{NO}$

Molecular Weight: 89.137

Accurate Mass: 89.084064

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

Physical Description: Oil

Boiling Point: Bp 206°. Bp₃₄ 125°

Solubility: Sol. EtOH, insol. Et₂O

Other Data: Forms a hydrate in water. Absorbs CO₂ and H₂O from air

Hazard & Toxicity: LD₅₀ (rat, orl) 1150 mg/kg

Aldrich: 17833-0

Fluka: 7191

>>Derivative: Picrate

Melting Point: Mp 86.6-88.6°

>>Derivative: Me ether

Synonym(s): 4-Methoxy-1-butylamine. 1-Amino-4-methoxybutane

CAS Registry Number: 34039-36-6

Molecular Formula: $\text{C}_5\text{H}_{13}\text{NO}$

Molecular Weight: 103.164

Accurate Mass: 103.099714

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

Boiling Point: Bp 142-145°

Solubility: Sol. H₂O, EtOH, Et₂O

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

Synonym(s): 4-(Dimethylamino)-1-butanol, 9CI

CAS Registry Number: 13330-96-6

Molecular Formula: $\text{C}_6\text{H}_{15}\text{NO}$

Molecular Weight: 117.191

Accurate Mass: 117.115364

Percentage Composition: C 61.49%; H 12.90%; N 11.95%; O 13.65%

Physical Description: Oil

Boiling Point: Bp 186-189°. Bp₁₄ 80-81°