



>>Entry Name: **2-Amino-2-methyl-1-propanol**

Synonym(s): 2-Aminoisobutanol. Isobutanolamine. AMP

CAS Registry Number: 124-68-5

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

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%

Use/Importance: Used in the synth. of surfactants, vulcanisation accelerators and pharmaceuticals, also as an emulsifying agent and absorbant for acidic gases. Protecting agent for carboxyl groups *via* oxazoline formn.

Stabiliser for amino resin coatings

Physical Description: Cryst.

Melting Point: Mp 30-31°

Boiling Point: Bp 165°. Bp₁₀ 67.4°

Solubility: Sol. H_2O , EtOH

Hazard & Toxicity: Mod. toxic. Fl. p. 67°

Aldrich: A6518-2

Fluka: 8580

Sigma: A9879

>>Derivative: Hydrochloride

Synonym(s): Catalyst AC

CAS Registry Number: 3207-12-3

Melting Point: Mp 202-203°

Fluka: 8585

Sigma: A5888

>>Derivative: Theophylline salt

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

CAS Registry Number: 7005-47-2

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%

Use/Importance: Used as curing agent in thermosetting plastics

Boiling Point: Bp 158-160°. Bp₁₉ 61.5-63°

Refractive Index: n