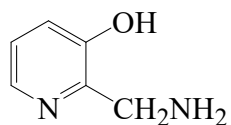




>>Entry Name: **2-(Aminomethyl)-3-hydroxypyridine**

Synonym(s): 2-Aminomethyl-3-pyridinol. 3-Hydroxy-2-pyridinemethanamine



Molecular Formula: C₆H₈N₂O

Molecular Weight: 124.142

Accurate Mass: 124.063663

Percentage Composition: C 58.05%; H 6.50%; N 22.57%; O 12.89%

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

Synonym(s): 2-[(Dimethylamino)methyl]-3-pyridinol. 2-(Dimethylaminomethyl)-3-hydroxypyridine

CAS Registry Number: 2168-13-0

Molecular Formula: C₈H₁₂N₂O

Molecular Weight: 152.196

Accurate Mass: 152.094963

Percentage Composition: C 63.13%; H 7.95%; N 18.41%; O 10.51%

Melting Point: Mp 59-60°

Boiling Point: Bp₄ 98°

Aldrich: D14270-0

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

Melting Point: Mp 178-186°

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

Synonym(s): 2-[(Diethylamino)methyl]-3-pyridinol. 2-(Diethylaminomethyl)-3-hydroxypyridine

CAS Registry Number: 2168-14-1

Molecular Formula: C₁₀H₁₆N₂O

Molecular Weight: 180.249

Accurate Mass: 180.126263

Percentage Composition: C 66.64%; H 8.95%; N 15.54%; O 8.88%

Melting Point: Mp 201-202° (as dihydrochloride)

Boiling Point: Bp₁ 85-86°

Rare Chemicals Library: S34595-4

>>Derivative: *N*-Benzyl

Molecular Formula: C₁₃H₁₄N₂O

Molecular Weight: 214.266

Accurate Mass: 214.110613

Percentage Composition: C 72.87%; H 6.59%; N 13.07%; O 7.47%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 236-241° (as dihydrochloride)

References:

Stempel, A. *et al.*, *J.A.C.S.*, 1949, **71**, 2969; 1952, **74**, 3323, (*synth*)

Smirnov, L.D. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1965, 198, (*synth*)