



>>Entry Name: 2-Amino-6-hydroxypyridine

Synonym(s): 6-Amino-2(1*H*)-pyridinone, 9Cl. 6-Amino-2(1*H*)-pyridone, 8Cl. 6-Amino-2-pyridinol

Related CAS Registry Numbers(s): 17920-33-1

Molecular Formula: C₅H₆N₂O

Molecular Weight: 110.115

Accurate Mass: 110.048013

Percentage Composition: C 54.54%; H 5.49%; N 25.44%; O 14.53%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 214°

>>Variant: *NH*-form

CAS Registry Number: 5154-00-7

Molecular Formula: C₅H₆N₂O

Molecular Weight: 110.115

Accurate Mass: 110.048013

Percentage Composition: C 54.54%; H 5.49%; N 25.44%; O 14.53%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 214°

Other Data: Major tautomer

>>Derivative: 1-Me

CAS Registry Number: 17920-37-5

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%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 166-169°

>>Variant: *OH*-form

Molecular Formula: C₅H₆N₂O

Molecular Weight: 110.115

Accurate Mass: 110.048013

Percentage Composition: C 54.54%; H 5.49%; N 25.44%; O 14.53%

>>Derivative: Me ether

Synonym(s): 2-Amino-6-methoxypyridine, 8Cl

CAS Registry Number: 17920-35-3

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%

Boiling Point: Bp_{12.5} 114-115°

>>Derivative: Me ether, picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 213-214°

References:

Sharma, B.D. *et al.*, *Acta Cryst.*, 1966, **20**, 921, (*cryst struct*)

Barlin, G.B. *et al.*, *J.C.S.(B)*, 1971, 1425, (*synth, uv*)

Dorie, J. *et al.*, *Org. Magn. Reson.*, 1979, **12**, 229, (*N nmr*)