



>>Entry Name: 2-Amino-5-bromo-3-methylpyridine

Synonym(s): 5-Bromo-3-methyl-2-pyridinamine, 9Cl. 2-Amino-5-bromo-3-picoline, 8Cl

CAS Registry Number: 3430-21-5

Molecular Formula: C₆H₇BrN₂

Molecular Weight: 187.039

Accurate Mass: 185.999259

Percentage Composition: C 38.53%; H 3.77%; Br 42.72%; N 14.98%

Physical Description: Cryst. (petrol)

Melting Point: Mp 90-92°

Other: Oakwood 2494

>>Derivative: 2-*N,N*-Di-Ac

Molecular Formula: C₁₀H₁₁BrN₂O₂

Molecular Weight: 271.113

Accurate Mass: 270.020389

Percentage Composition: C 44.30%; H 4.09%; Br 29.47%; N 10.33%; O 11.80%

Physical Description: Cryst. (petrol)

Melting Point: Mp 88-89°

>>Derivative: 2-*N*-Benzoyl

CAS Registry Number: 23612-56-8

Molecular Formula: C₁₃H₁₁BrN₂O

Molecular Weight: 291.147

Accurate Mass: 290.025474

Percentage Composition: C 53.63%; H 3.81%; Br 27.44%; N 9.62%; O 5.50%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 149-150°

>>Derivative: *N*¹-Oxide

CAS Registry Number: 53669-67-3

Molecular Formula: C₆H₇BrN₂O

Molecular Weight: 203.038

Accurate Mass: 201.994174

Percentage Composition: C 35.49%; H 3.47%; Br 39.35%; N 13.80%; O 7.88%

Physical Description: Needles (C₆H₆)

Melting Point: Mp 152-153°

References:

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Abramovitch, R.A. *et al.*, *J.A.C.S.*, 1976, **78**, 1478, (*nmr*, *ir*)

Place, H. *et al.*, *Acta Cryst. C*, 1987, **43**, 1497-1500, (*synth*, *cryst struct*)

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