



>>Entry Name: 4-Amino-3-bromopyridine

Synonym(s): 3-Bromo-4-pyridinamine, 9CI

CAS Registry Number: 13534-98-0

Molecular Formula: $C_5H_5BrN_2$

Molecular Weight: 173.012

Accurate Mass: 171.983609

Percentage Composition: C 34.71%; H 2.91%; Br 46.18%; N 16.19%

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 70°

pKa Value: pK_a 7.34 (20°, H_2O)

>>Derivative: N^1 -Oxide

CAS Registry Number: 84539-36-6

Molecular Formula: $C_8H_5BrN_2O$

Molecular Weight: 225.044

Accurate Mass: 223.978524

Percentage Composition: C 42.70%; H 2.24%; Br 35.51%; N 12.45%; O 7.11%

Melting Point: Mp 195.5-197°

>>Derivative: 4-*N*-Ac

CAS Registry Number: 13535-03-0

Molecular Formula: $C_7H_7BrN_2O$

Molecular Weight: 215.049

Accurate Mass: 213.994174

Percentage Composition: C 39.10%; H 3.28%; Br 37.16%; N 13.03%; O 7.44%

Physical Description: Cryst. (H_2O)

Melting Point: Mp 102-103°

>>Derivative: 4-*N,N*-Di-Me

CAS Registry Number: 84539-35-5

Molecular Formula: $C_7H_9BrN_2$

Molecular Weight: 201.066

Accurate Mass: 200.014909

Percentage Composition: C 41.82%; H 4.51%; Br 39.74%; N 13.93%

Melting Point: Mp 83-85°

Boiling Point: $Bp_{1.5}$ 172°

References:

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Paudler, W.W. *et al.*, *J.O.C.*, 1983, **48**, 1064-1069, (*synth*, *pmr*)
Marsais, F. *et al.*, *J. Het. Chem.*, 1988, **25**, 81-87, (*synth*, *ir*, *pmr*)
Malinowski, M. *et al.*, *J. Prakt. Chem.*, 1988, **330**, 154-158, (*synth*)
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