



>>Entry Name: 2-Amino-6-bromopyridine, 8Cl

Synonym(s): 6-Bromo-2-pyridinamine, 9Cl

CAS Registry Number: 19798-81-3

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: Needles (petrol)

Melting Point: Mp 90°

pKa Value: pK_a 2.6 (20°,H₂O)

>>Derivative: 2-*N*-Ac

CAS Registry Number: 25218-99-9

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. (petrol)

Melting Point: Mp 154-156°

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

CAS Registry Number: 112575-13-0

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%

Physical Description: Cryst. (hexane)

Melting Point: Mp 56-57°

References:

Johnson, F. *et al.*, *J.O.C.*, 1962, **27**, 2473-2478, (*synth*)

Cumper, C.W.N. *et al.*, *J.C.S.(B)*, 1968, 649-651, (*uv*)

Ferrarini, P.L. *et al.*, *J. Het. Chem.*, 1981, **18**, 1007-1010, (*synth*)

Newkome, G.R. *et al.*, *J.O.C.*, 1988, **53**, 786-790, (*synth*, *pmr*, *ms*)