



>>Entry Name: **5-Amino-2-bromopyridine**

Synonym(s): 6-Bromo-3-pyridinamine, 9CI

CAS Registry Number: 13534-97-9

Molecular Formula: C₅H₅BrN₂

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 (H₂O or MeOH); cryst. (petrol)

Melting Point: Mp 76°

Boiling Point: Bp 160-180°

>>Derivative: 5-*N*-Ac

CAS Registry Number: 29958-19-8

Molecular Formula: C₇H₇BrN₂O

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%

Melting Point: Mp 154°

>>Derivative: 5-*N,N*-Di-Me

CAS Registry Number: 39856-56-9

Molecular Formula: C₇H₉BrN₂

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. (petrol)

Melting Point: Mp 70.5-71°

References:

Yamamoto, Y., *Yakugaku Zasshi*, 1951, **71**, 662-667, (*synth*)

Streef, J.W. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1966, **85**, 803-816, (*synth*)

Fox, G.J. *et al.*, *J.C.S. Perkin I*, 1973, 68-69, (*N-di-Me, synth, pmr*)

Tomasik, P. *et al.*, *Chem. Zvesti*, 1977, **31**, 254-264; *CA*, **89**, 42082, (*uv*)

Malinowski, M., *Bull. Soc. Chim. Belg.*, 1988, **97**, 51-53, (*synth*)