



>>Entry Name: **2,6-Dibromo-3-hydroxypyridine**

Synonym(s): 2,6-Dibromo-3-pyridinol, 9CI

CAS Registry Number: 6602-33-1

Related CAS Registry Numbers(s): 65017-43-8

Molecular Formula: $C_5H_3Br_2NO$

Molecular Weight: 252.893

Accurate Mass: 250.898136

Percentage Composition: C 23.75%; H 1.20%; Br 63.19%; N 5.54%; O 6.33%

Physical Description: Cryst. (H_2O)

Melting Point: Mp 168-169° (160-162°)

>>Derivative: *N*-Oxide

Molecular Formula: $C_5H_3Br_2NO_2$

Molecular Weight: 268.892

Accurate Mass: 266.893051

Percentage Composition: C 22.33%; H 1.12%; Br 59.43%; N 5.21%; O 11.90%

Physical Description: Cryst. (H_2O)

Melting Point: Mp 204-205°

>>Derivative: Me ether

Synonym(s): 2,6-Dibromo-3-methoxypyridine

CAS Registry Number: 79491-45-5

Molecular Formula: $C_6H_5Br_2NO$

Molecular Weight: 266.92

Accurate Mass: 264.913786

Percentage Composition: C 27.00%; H 1.89%; Br 59.87%; N 5.25%; O 5.99%

Physical Description: Cryst. (hexane)

Melting Point: Mp 99-100°

>>Derivative: Me ether, *N*-oxide

CAS Registry Number: 84539-41-3

Molecular Formula: $C_6H_5Br_2NO_2$

Molecular Weight: 282.919

Accurate Mass: 280.908701

Percentage Composition: C 25.47%; H 1.78%; Br 56.49%; N 4.95%; O 11.31%

Physical Description: Cryst.

Melting Point: Mp 203-205°

References:

- Den Hertog, H.J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1950, **69**, 1281, (*synth*)
Lewicka, K. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1966, **40**, 405; *CA*, **65**, 7134, (*synth, oxide*)
Clark, G.J. *et al.*, *Aust. J. Chem.*, 1981, **34**, 927, (*synth*)
Paudler, W.W. *et al.*, *J.O.C.*, 1983, **48**, 1064, (*Me ether, oxide*)
Koch, V. *et al.*, *Synthesis*, 1990, 497, (*synth*)