



>>Entry Name: 3,5-Dibromopyridine, 9CI

CAS Registry Number: 625-92-3

Molecular Formula: C₅H₃Br₂N

Molecular Weight: 236.893

Accurate Mass: 234.903221

Percentage Composition: C 25.35%; H 1.28%; Br 67.46%; N 5.91%

Physical Description: Cryst.

Melting Point: Mp 112°

Boiling Point: Bp 222°

Solubility: Sol. Et₂O, hot EtOH, spar. sol. hot H₂O

pKa Value: pK_a 0.82 (25°)

Other Data: Subl. at 100°, steam-volatile

Aldrich: 12016-2

Fluka: 34335

Rare Chemicals Library: S72701-6

>>Derivative: Hydrochloride

Melting Point: Mp 180-200 dec.°

Other Data: Hydrol. by H₂O

>>Derivative: N-Oxide

CAS Registry Number: 2402-99-5

Molecular Formula: C₅H₃Br₂NO

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%

Melting Point: Mp 143-144°

Rare Chemicals Library: S87736-0

>>Derivative: Methiodide

Melting Point: Mp 273-274°

References:

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 1317D, (*ir*)

den Hertog, H.J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1932, **51**, 381, (*synth*)

Ting, K.W., *J. Phys. Chem.*, 1967, **71**, 3089, (*pmr*)

Batkowski, T. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1967, **41**, 2101, (*synth*)

Green, J.H.S. *et al.*, *Spectrochim. Acta A*, 1973, **29**, 1177, (*ir*)