



>>Entry Name: 3-Nitropyridine

CAS Registry Number: 2530-26-9

Molecular Formula: $C_5H_4N_2O_2$

Molecular Weight: 124.099

Accurate Mass: 124.027278

Percentage Composition: C 48.39%; H 3.25%; N 22.57%; O 25.78%

Physical Description: Needles (C_6H_6 /petrol)

Melting Point: Mp 41°

Boiling Point: Bp 216°

pKa Value: pK_a 1.18 (25°)

>>Derivative: Methobromide

CAS Registry Number: 105752-56-5

Physical Description: Cryst. (EtOH)

>>Derivative: *N*-Oxide

CAS Registry Number: 2403-01-2

Molecular Formula: $C_5H_4N_2O_3$

Molecular Weight: 140.098

Accurate Mass: 140.022193

Percentage Composition: C 42.87%; H 2.88%; N 20.00%; O 34.26%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 172-173°

References:

Taylor, E.C. *et al.*, *J.O.C.*, 1960, **25**, 1716, (*oxide*)

Barlin, G.B., *Org. Prep. Proced. Int.*, 1972, **4**, 63, (*synth*)

Taylor, K.E. *et al.*, *J.A.C.S.*, 1976, **98**, 5689, (*synth*)

Bunting, J.W. *et al.*, *Tetrahedron*, 1986, **42**, 1007, (*deriv, synth, pmr*)

Arnestad, B. *et al.*, *Acta Chem. Scand.*, 1996, **50**, 556-557, (*synth*)

Bakke, J.M. *et al.*, *Synthesis*, 1997, 281, (*synth, pmr, cmr*)