



>>Entry Name: 3-Amino-2-nitropyridine

Synonym(s): 2-Nitro-3-pyridinamine, 9CI

CAS Registry Number: 13269-19-7

Molecular Formula: $C_5H_5N_3O_2$

Molecular Weight: 139.113

Accurate Mass: 139.038177

Percentage Composition: C 43.17%; H 3.62%; N 30.21%; O 23.00%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 195-196°. Mp 203-204°

>>Derivative: 2-*N*-Ac

Synonym(s): *N*-(2-Nitro-3-pyridinyl)acetamide, 9CI

CAS Registry Number: 105151-35-7

Molecular Formula: $C_7H_7N_3O_3$

Molecular Weight: 181.151

Accurate Mass: 181.048742

Percentage Composition: C 46.41%; H 3.89%; N 23.20%; O 26.50%

Physical Description: Yellowish-green needles

Melting Point: Mp 100.5-101.5°

References:

Curry, H.M. *et al.*, *J.A.C.S.*, 1951, **73**, 5043-5046, (*synth*)

den Hertog, H.J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1953, **72**, 125-134, (*synth*)

Clark-Lewis, W. *et al.*, *J.C.S.*, 1957, 442-446, (*synth*)

Rasala, D. *et al.*, *Chem. Scr.*, 1985, **25**, 345-349, (*synth, ir, pmr, deriv*)

Gawinecki, R. *et al.*, *Org. Mass Spectrom.*, 1991, **26**, 100-104, (*ms*)

Kolehmainen, E. *et al.*, *Magn. Reson. Chem.*, 1992, **30**, 527-534, (*pmr, cmr, N-15 nmr*)