



>>Entry Name: 3-Amino-4-nitropyridine

ENTRY UNDER REVIEW

Synonym(s): 4-Nitro-3-pyridinamine, 9CI

CAS Registry Number: 13505-02-7

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: Orange cryst. (H_2O)

Melting Point: Mp 140°

>>Derivative: N^1 -Oxide

CAS Registry Number: 19349-78-1

Molecular Formula: $C_5H_5N_3O_3$

Molecular Weight: 155.113

Accurate Mass: 155.033092

Percentage Composition: C 38.72%; H 3.25%; N 27.09%; O 30.94%

Physical Description: Cryst. (H_2O)

Melting Point: Mp 237 dec.°

>>Derivative: 3-N-Me

CAS Registry Number: 221636-01-7

Molecular Formula: $C_6H_7N_3O_2$

Molecular Weight: 153.14

Accurate Mass: 153.053827

Percentage Composition: C 47.06%; H 4.61%; N 27.44%; O 20.90%

Physical Description: Orange cryst. (hexane)

Melting Point: Mp 119.5-120.5°

References:

Talik, T. *et al.*, *Rocz. Chem.*, 1964, **38**, 777-783; 1966, **40**, 1187-1193, (*synth, oxide*)

Rasala, D. *et al.*, *Bull. Soc. Chim. Fr.*, 1991, 201-206, (*oxide, ir, cmr*)

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

Rasala, D. *et al.*, *J. Phys. Org. Chem.*, 1993, **6**, 307-315, (*cmr*)

Rasala, D. *et al.*, *Spectrosc. Lett.*, 1993, **26**, 227-235, (*pmr*)

Szpakiewicz, B. *et al.*, *J. Prakt. Chem.*, 1999, **341**, 75-78, (*3-N-Me*)