



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

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

CAS Registry Number: 1681-37-4

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: Yellow cryst. (H_2O or EtOAc)

Melting Point: Mp 200°

pKa Value: pK_a 5.04 (20°)

>>Derivative: 4-N-Ac

CAS Registry Number: 79371-42-9

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: Cryst. (MeOH)

Melting Point: Mp 115°

References:

Takahashi, T. *et al.*, *Pharm. Bull.*, 1954, **2**, 34-37, (*synth*)

Hasegawa, M. *et al.*, *Yakugaku Zasshi*, 1973, **83**, 1024-1033; *CA*, **79**, 104485j, (*synth*)

Campbell, J.B. *et al.*, *J. Het. Chem.*, 1986, **23**, 669-672, (*synth*, *pmr*)

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

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