



>>Entry Name: 3-Amino-5-nitropyridine

Synonym(s): 5-Nitro-3-pyridinamine, 9CI

CAS Registry Number: 934-59-8

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.

Melting Point: Mp 141°. Mp 185-185.5°

>>Derivative: *N*-Ac

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%

Melting Point: Mp 146-148°

>>Derivative: *N*-Benzoyl

Molecular Formula: $C_{12}H_9N_3O_3$

Molecular Weight: 243.221

Accurate Mass: 243.064392

Percentage Composition: C 59.26%; H 3.73%; N 17.28%; O 19.73%

Melting Point: Mp 170-172°

References:

Tomasik, P. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1964, **38**, 709-710, (*synth*)

Nakadate, M. *et al.*, *Chem. Pharm. Bull.*, 1965, **13**, 113-118, (*synth*)