



>>Entry Name: **2,4-Dimethyl-3-nitropyridine**

Synonym(s): 3-Nitro-2,4-lutidine

CAS Registry Number: 1074-76-6

Structure by analogy with 2,3-Dimethyl-4-nitropyridine, [MMF23-N](#)

Molecular Formula: C₇H₈N₂O₂

Molecular Weight: 152.152

Accurate Mass: 152.058578

Percentage Composition: C 55.26%; H 5.30%; N 18.41%; O 21.03%

Melting Point: Fp 9.5°. Mp 25.5-27.5°

Boiling Point: Bp 215-218°. Bp_{1.5} 74-80°

>>Derivative: Hydrochloride

Melting Point: Mp 144°

>>Derivative: *N*-Oxide

Molecular Formula: C₇H₈N₂O₃

Molecular Weight: 168.152

Accurate Mass: 168.053493

Percentage Composition: C 50.00%; H 4.80%; N 16.66%; O 28.54%

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 118-119°

References:

Brown, E.V. *et al.*, *J.O.C.*, 1961, **26**, 3546, (*synth*)

Batkowski, T. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1963, **37**, 385; 1964, **38**, 317; *CA*, **59**, 11486g; **62**, 1630b, (*synth*)

Mahadevan, I. *et al.*, *J. Het. Chem.*, 1992, **29**, 359, (*synth*, *pmr*)