



>>Entry Name: 4,6-Dimethyl-3-nitropyridine

Synonym(s): 5-Nitro-2,4-lutidine

CAS Registry Number: 1074-99-3

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: Mp 24°

Boiling Point: Bp 235°. Bp_{1.5} 81-95°

>>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 102-103°

References:

Batkowski, T. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1963, **37**, 385; 1964, **38**, 1317; *CA*, **59**, 11486g; **62**, 1630b, (*synth*)

Mahadevan, I. *et al.*, *J. Het. Chem.*, 1992, **29**, 359-367, (*synth, pmr*)

Arnestad, B. *et al.*, *Acta Chem. Scand.*, 1996, **50**, 556-557, (*synth*)