



>>Entry Name: 3,5-Dimethyl-4-nitropyridine, 9CI

Synonym(s): 4-Nitro-3,5-lutidine

CAS Registry Number: 89693-88-9

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

Molecular Formula: $C_7H_8N_2O_2$

Molecular Weight: 152.152

Accurate Mass: 152.058578

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

Physical Description: Needles (petrol)

Melting Point: Mp 38-39°

>>Derivative: N-Oxide

CAS Registry Number: 14248-66-9

Molecular Formula: $C_7H_8N_2O_3$

Molecular Weight: 168.152

Accurate Mass: 168.053493

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

Physical Description: Pale yellow needles (Me₂CO)

Melting Point: Mp 174-175°

References:

Essery, J.M. *et al.*, *J.C.S.*, 1960, 4953, (*synth*)

Shiro, M. *et al.*, *Acta Cryst. B*, 1977, **33**, 1549, (*cryst struct, oxide*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DSY200