



>>Entry Name: **2,5-Dimethyl-3-nitropyridine**, 9CI

Synonym(s): 3-Nitro-2,5-lutidine

CAS Registry Number: 52381-06-3

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: Cryst. (petrol)

Melting Point: Mp 27-28°

>>Derivative: *N*-Oxide

CAS Registry Number: 76801-05-3

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: Cryst.

Melting Point: Mp 115.5-116.5°

References:

Achremowicz, L., *Rocz. Chem.*, 1973, **47**, 2367, (*synth, pmr*)

Achremowicz, L., *Tet. Lett.*, 1980, **21**, 2433, (*synth, ir, oxide*)