



>>Entry Name: 3,5-Dinitropyridine, 9Cl

CAS Registry Number: 940-06-7

Related CAS Registry Numbers(s): 34515-79-2 85382-66-7

Structure by analogy with 2,3-Dinitropyridine, [KPS79-U](#)

Molecular Formula: $C_5H_3N_3O_4$

Molecular Weight: 169.096

Accurate Mass: 169.012357

Percentage Composition: C 35.52%; H 1.79%; N 24.85%; O 37.85%

Physical Description: Cryst. or scales (EtOH)

Melting Point: Mp 104-105°

Hazard & Toxicity: Explosive

>>Derivative: N-Oxide

CAS Registry Number: 62375-72-8

Molecular Formula: $C_5H_3N_3O_5$

Molecular Weight: 185.096

Accurate Mass: 185.007272

Percentage Composition: C 32.45%; H 1.63%; N 22.70%; O 43.22%

Physical Description: Solid

Melting Point: Mp 183-185°

References:

Smolenski, D. *et al.*, *CA*, 1955, **51**, 4712h, (*haz*)

Kimura, M. *et al.*, *Yakugaku Zasshi*, 1959, **79**, 549, (*synth*)

Ochiai, E. *et al.*, *Chem. Pharm. Bull.*, 1960, **8**, 28, (*oxide*)

Favini, G. *et al.*, *Spectrochim. Acta A*, 1967, **23**, 89, (*uv*)

Biffin, M.E.C., *Aust. J. Chem.*, 1970, **23**, 963, (*pmr*)

Destro, R. *et al.*, *Acta Cryst. B*, 1974, **30**, 2071, (*cryst struct*)

Van der Plas, H.C. *et al.*, *J. Het. Chem.*, 1978, **15**, 485, (*synth, ir, pmr, ms*)

Barzaghi, M., *J.A.C.S.*, 1978, **100**, 3132, (*epr*)