



>>Derivative: Hydrazide

CAS Registry Number: 59190-19-1

Molecular Formula: C₈H₁₁N₃O

Molecular Weight: 165.194

Accurate Mass: 165.090212

Percentage Composition: C 58.17%; H 6.71%; N 25.44%; O 9.69%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 152°

>>Derivative: Nitrile

Synonym(s): 2,6-Dimethyl-4-pyridinecarbonitrile, 9Cl. 2,6-Dimethylisonicotinonitrile, 8Cl. 4-Cyano-2,6-dimethylpyridine

CAS Registry Number: 39965-81-6

Molecular Formula: C₈H₈N₂

Molecular Weight: 132.165

Accurate Mass: 132.068748

Percentage Composition: C 72.70%; H 6.10%; N 21.20%

Physical Description: Cryst. (petrol)

Melting Point: Mp 81-82°

Boiling Point: Bp₂₅ 92-95°

>>Derivative: Nitrile; picrate

Melting Point: Mp 178-181°

>>Derivative: Nitrile, *N*-oxide

Molecular Formula: C₈H₈N₂O

Molecular Weight: 148.164

Accurate Mass: 148.063663

Percentage Composition: C 64.85%; H 5.44%; N 18.91%; O 10.80%

Melting Point: Mp 187-188°

References:

Furukawa, S., *CA*, 1959, **53**, 18029b, (*N*-oxides)

Sperber, N. *et al.*, *J.A.C.S.*, 1959, **81**, 704-709, (*Et ester*)

Feely, W.E. *et al.*, *J.A.C.S.*, 1959, **81**, 4004-4007, (*synth, nitrile*)

Org. Synth., *Coll. Vol.*, 5, 1973, 269-273, (*nitrile*)

Yamanaka, H. *et al.*, *Chem. Pharm. Bull.*, 1977, **25**, 1821-1826, (*nitrile, synth, pmr*)

Bonadies, F. *et al.*, *Gazz. Chim. Ital.*, 1978, **108**, 87-89, (*synth*)

Hirota, T. *et al.*, *J. Het. Chem.*, 1987, **24**, 949-953, (*amide*)

Hall, J.H. *et al.*, *J. Het. Chem.*, 1992, **29**, 1245-1273, (*chloride*)