>>**Derivative:** Hydrazide

CAS Registry Number: 59190-19-1
Molecular Formula: $C_8H_{11}N_3O$
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, 9CI. 2,6-Dimethylisonicotinonitrile, 8CI. 4-Cyano-2,6-dimethylpyridine

CAS Registry Number: 39965-81-6
Molecular Formula: $C_8H_8N_2$
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: Bp_{25} 92-95°

>>**Derivative:** Nitrile; picrate

Melting Point: Mp 178-181°

>>**Derivative:** Nitrile, *N*-oxide

Molecular Formula: $C_8H_8N_2O$
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)*