



>>Entry Name: 4-Nitro-3-pyridinecarboxylic acid

Synonym(s): 4-Nitronicotinic acid, 8Cl

Molecular Formula: C₆H₄N₂O₄

Molecular Weight: 168.109

Accurate Mass: 168.017108

Percentage Composition: C 42.87%; H 2.40%; N 16.66%; O 38.07%

Physical Description: Cryst. + 1H₂O

Melting Point: Mp 120 dec.°

>>Derivative: Me ester

Molecular Formula: C₇H₆N₂O₄

Molecular Weight: 182.135

Accurate Mass: 182.032758

Percentage Composition: C 46.16%; H 3.32%; N 15.38%; O 35.14%

Melting Point: Mp 59-60°

>>Derivative: Amide

Molecular Formula: C₆H₅N₃O₃

Molecular Weight: 167.124

Accurate Mass: 167.033092

Percentage Composition: C 43.12%; H 3.02%; N 25.14%; O 28.72%

Melting Point: Mp 162-163°

>>Derivative: N-Oxide

CAS Registry Number: 1078-05-3

Molecular Formula: C₆H₄N₂O₅

Molecular Weight: 184.108

Accurate Mass: 184.012023

Percentage Composition: C 39.14%; H 2.19%; N 15.22%; O 43.45%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 170-172°

References:

Brown, E.V., *J.A.C.S.*, 1954, **76**, 3167, (*synth*)

Rasala, D. *et al.*, *Chem. Scr.*, 1985, **25**, 345, (*synth, ir, pmr, derivs*)

Leroy, F. *et al.*, *Synth. Commun.*, 1996, **26**, 2257, (*oxide*)