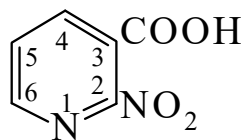




>>Entry Name: 2-Nitro-3-pyridinecarboxylic acid, 9Cl

Synonym(s): 2-Nitronicotinic acid, 8Cl



CAS Registry Number: 33225-72-8

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. (H₂O)

Melting Point: Mp 156°

>>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%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 46.5-47°

>>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%

Physical Description: Leaflets (H₂O)

Melting Point: Mp 186-187°

>>Derivative: Nitrile

Synonym(s): 2-Nitro-3-cyanopyridine

Molecular Formula: C₆H₃N₃O₂

Molecular Weight: 149.109

Accurate Mass: 149.022527

Percentage Composition: C 48.33%; H 2.03%; N 28.18%; O 21.46%

Physical Description: Orange cryst. (EtOH)

Melting Point: Mp 117-118°

References:

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

Moser, R.J. *et al.*, *J.O.C.*, 1972, **37**, 3941, (*synth*)

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