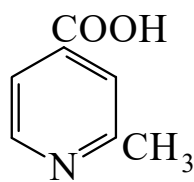




>>Entry Name: 2-Methyl-4-pyridinecarboxylic acid, 9CI

Synonym(s): 4-Methylpicolinic acid, 8CI



CAS Registry Number: 4021-11-8

Molecular Formula: C₇H₇NO₂

Molecular Weight: 137.138

Accurate Mass: 137.047679

Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%

Use/Importance: Displays tuberculostatic activity

Melting Point: Mp 291-292°

Calculated Log P Data: Log P 1.3 (calc)

>>Derivative: Hydrochloride

Physical Description: Cryst. (HCl aq.)

Melting Point: Mp 248-249 dec.°

>>Derivative: Me ester

CAS Registry Number: 16830-24-3

Molecular Formula: C₈H₉NO₂

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Boiling Point: Bp₁₆ 109°

>>Derivative: Et ester

CAS Registry Number: 25635-17-0

Molecular Formula: C₉H₁₁NO₂

Molecular Weight: 165.191

Accurate Mass: 165.078979

Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%

Boiling Point: Bp₂₀ 134°

>>Derivative: Hydrazide

CAS Registry Number: 3758-59-6

Use/Importance: Shows tuberculostatic activity

References:

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Efimovosky, O. *et al.*, *Bull. Soc. Chim. Fr.*, 1954, 648, (*use*)
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Deady, L.W. *et al.*, *Org. Magn. Reson.*, 1975, **7**, 41, (*nmr*)
Seydel, J.K. *et al.*, *J. Med. Chem.*, 1976, **19**, 483, (*pharmacol, hydrazide*)
Clarke, P.D. *et al.*, *J.C.S. Perkin I*, 1985, **8**, 1747, (*synth*)