



>>Entry Name: **2,4-Dimethyl-3-pyridinecarboxylic acid**, 9Cl

Synonym(s): 2,4-Dimethylnicotinic acid, 8Cl. 2,4-Lutidine-3-carboxylic acid. 2,4-Dimethylnicotinic acid

CAS Registry Number: 55314-30-2

Extra CAS Registry Numbers(s): 56022-01-6 133897-06-0

Structure by analogy with 2,3-Dimethyl-4-pyridinecarboxylic acid, [GDQ08-Q](#)

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%

Physical Description: Prisms

Melting Point: Mp 160°

>>Derivative: Hydrochloride

CAS Registry Number: 133897-06-0

Melting Point: Mp 166°

>>Derivative: Et ester

CAS Registry Number: 37669-78-6

Molecular Formula: C₁₀H₁₃NO₂

Molecular Weight: 179.218

Accurate Mass: 179.094629

Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%

Boiling Point: Bp 246-247°. Bp₁₀ 115-116°

Density: d₄²⁵ 1.1112

Refractive Index: n_D²⁰ 1.5070

Other Data: Nonvolatile in steam

>>Derivative: Amide

CAS Registry Number: 72692-96-7

Molecular Formula: C₈H₁₀N₂O

Molecular Weight: 150.18

Accurate Mass: 150.079313

Percentage Composition: C 63.98%; H 6.71%; N 18.65%; O 10.65%

Physical Description: Cryst. +0.5 H₂O (EtOH aq.)

Melting Point: Mp 191° (anhyd.)

>>Derivative: Nitrile

Synonym(s): 3-Cyano-2,4-dimethylpyridine

Molecular Formula: C₈H₈N₂

Molecular Weight: 132.165

Accurate Mass: 132.068748

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

Physical Description: Prisms

Melting Point: Mp 53°

Boiling Point: Bp 218°. Bp₁₅ 108°

>>Derivative: Nitrile; hydrochloride

Melting Point: Mp 187°

>>Derivative: Dimethylamide

CAS Registry Number: 55314-19-7

Molecular Formula: C₁₀H₁₄N₂O

Molecular Weight: 178.233

Accurate Mass: 178.110613

Percentage Composition: C 67.39%; H 7.92%; N 15.72%; O 8.98%

Boiling Point: Bp_{0.7} 103-105°