



>>Entry Name: **2,6-Dimethyl-3-pyridinecarboxylic acid**, 9CI

Synonym(s): 2,6-Dimethylnicotinic acid, 8CI

CAS Registry Number: 5860-71-9

Extra CAS Registry Numbers(s): 117213-55-5 127067-18-9

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%

Melting Point: Mp 170-171° (160°)

>>Derivative: Et ester

CAS Registry Number: 1721-13-7

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%

Physical Description: Prisms (MeOH)

Melting Point: Mp 135°

Boiling Point: Bp_{0.4} 74-75°. Bp₂₅ 132°

Density: d₄²⁵ 1.056

Refractive Index: n_D²⁰ 1.5070

>>Derivative: Et ester, picrate

CAS Registry Number: 38059-45-9

Melting Point: Mp 137°

>>Derivative: Amide

CAS Registry Number: 10131-48-3

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. (EtOAc)

Melting Point: Mp 179-180°

>>Derivative: Dimethylamide

CAS Registry Number: 55314-20-0

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_{0.1} 101°

>>Derivative: Nitrile

Synonym(s): 2,6-Dimethyl-3-pyridinecarbonitrile, 9CI. 2,6-Dimethylnicotinonitrile, 8CI. 3-Cyano-2,6-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: Cryst. (petrol)

Melting Point: Mp 83°

>>Derivative: Nitrile, picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 179-180°

References: