



>>Entry Name: **2,6-Dimethyl-4-pyridinecarboxylic acid**, 9CI

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

CAS Registry Number: 54221-93-1

Related CAS Registry Numbers(s): 179022-65-2

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: Cryst. (MeOH)

Melting Point: Mp 276-280°. Mp 289-291° (dec.)

>>Derivative: *N*-Oxide

Molecular Formula: C₈H₉NO₃

Molecular Weight: 167.164

Accurate Mass: 167.058244

Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 250°

>>Derivative: Me ester

CAS Registry Number: 142896-15-9

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%

Melting Point: Mp 45°

>>Derivative: Et ester

CAS Registry Number: 39965-80-5

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: Cryst. (EtOH)

Melting Point: Mp 39-40°

Boiling Point: Bp₁₁ 115-118°

>>Derivative: Et ester, *N*-oxide

Molecular Formula: C₁₀H₁₃NO₃

Molecular Weight: 195.218

Accurate Mass: 195.089544

Percentage Composition: C 61.53%; H 6.71%; N 7.17%; O 24.59%

Physical Description: Cryst. (EtOAc/petrol)

Melting Point: Mp 93°

>>Derivative: Chloride

CAS Registry Number: 151427-26-8

Molecular Formula: C₈H₈ClNO

Molecular Weight: 169.61

Accurate Mass: 169.029441

Percentage Composition: C 56.65%; H 4.75%; Cl 20.90%; N 8.26%; O 9.43%

Melting Point: Mp 148-151° (as hydrochloride)

Other Data: CAS no. refers to hydrochloride