



>>Entry Name: **2,6-Dimethyl-3,5-pyridinedicarboxylic acid**, 9CI
Synonym(s): 2,6-Dimethyldinicotinic acid. 2,6-Lutidine-3,5-dicarboxylic acid

CAS Registry Number: 2602-36-0
Structure by analogy with 2,4-Dimethyl-3,5-pyridinedicarboxylic acid, [FWV82-Z](#)

Molecular Formula: C₉H₉NO₄
Molecular Weight: 195.174
Accurate Mass: 195.053159
Percentage Composition: C 55.39%; H 4.65%; N 7.18%; O 32.79%
Melting Point: Mp 316°
Solubility: Spar. sol. EtOH, Et₂O, H₂O

Aldrich: 39277-4
Rare Chemicals Library: S38009-1

>>Derivative: Di-Me ester

CAS Registry Number: 27525-74-2
Molecular Formula: C₁₁H₁₃NO₄
Molecular Weight: 223.228
Accurate Mass: 223.084459
Percentage Composition: C 59.19%; H 5.87%; N 6.27%; O 28.67%
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 101-102° (Et₂O/pentane)
Boiling Point: Bp_{1.3} 131°

>>Derivative: Et ester

CAS Registry Number: 61258-25-1
Molecular Formula: C₁₁H₁₃NO₄
Molecular Weight: 223.228
Accurate Mass: 223.084459
Percentage Composition: C 59.19%; H 5.87%; N 6.27%; O 28.67%
Physical Description: Needles (H₂O)
Melting Point: Mp 131°

>>Derivative: Di-Et ester

CAS Registry Number: 1149-24-2
Molecular Formula: C₁₃H₁₇NO₄
Molecular Weight: 251.282
Accurate Mass: 251.115759
Percentage Composition: C 62.14%; H 6.82%; N 5.57%; O 25.47%
Physical Description: Needles
Melting Point: Mp 73°
Boiling Point: Bp 301-302°. Bp₁₆ 179-180°
Aldrich: 12025-1
Rare Chemicals Library: S8037-4

>>Derivative: Hydrazide

Use/Importance: Reagent for pptn. of Progesterone

>>Derivative: Dinitrile
Synonym(s): 3,5-Dicyano-2,6-dimethylpyridine

CAS Registry Number: 1656-95-7
Molecular Formula: C₉H₇N₃
Molecular Weight: 157.174
Accurate Mass: 157.063997
Percentage Composition: C 68.78%; H 4.49%; N 26.73%
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 119-120° (115-117°)