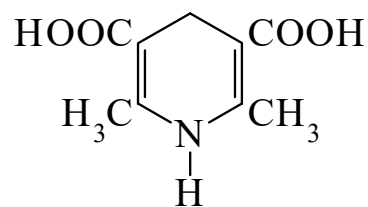




>>Entry Name: 1,4-Dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid, 9CI



CAS Registry Number: 51595-68-7

Molecular Formula: C₉H₁₁NO₄

Molecular Weight: 197.19

Accurate Mass: 197.068809

Percentage Composition: C 54.82%; H 5.62%; N 7.10%; O 32.45%

Use/Importance: Derivs. are vasodilators, hypotensives and oxidation inhibitors, heat stabilisers, etc.

>>Derivative: Di-Me ester

CAS Registry Number: 17438-14-1

Molecular Formula: C₁₁H₁₅NO₄

Molecular Weight: 225.244

Accurate Mass: 225.100109

Percentage Composition: C 58.66%; H 6.71%; N 6.22%; O 28.41%

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 225-227° (219-220°)

Rare Chemicals Library: S28600-1

>>Derivative: Di-Et ester

Synonym(s): Hantzsch ester

CAS Registry Number: 1149-23-1

Molecular Formula: C₁₃H₁₉NO₄

Molecular Weight: 253.297

Accurate Mass: 253.131409

Percentage Composition: C 61.64%; H 7.56%; N 5.53%; O 25.27%

Physical Description: Yellow needles with green fluorescence (EtOH)

Melting Point: Mp 183-185° (176-183°)

Aldrich: 12022-7

Rare Chemicals Library: S45554-7

>>Derivative: Di-*tert*-butyl ester

CAS Registry Number: 55536-71-5

Molecular Formula: C₁₇H₂₇NO₄

Molecular Weight: 309.405

Accurate Mass: 309.194009

Percentage Composition: C 65.99%; H 8.80%; N 4.53%; O 20.68%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 142-144°

>>Derivative: Dibenzyl ester

CAS Registry Number: 36138-79-1

Molecular Formula: C₂₃H₂₃NO₄

Molecular Weight: 377.439

Accurate Mass: 377.162709

Percentage Composition: C 73.19%; H 6.14%; N 3.71%; O 16.96%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 119-121°

>>Derivative: Dinitrile

CAS Registry Number: 3274-36-0

Molecular Formula: C₉H₉N₃

Molecular Weight: 159.19

Accurate Mass: 159.079647

Percentage Composition: C 67.91%; H 5.70%; N 26.40%

Physical Description: Yellowish plates (MeOH)

Melting Point: Mp 232-233° (222°)