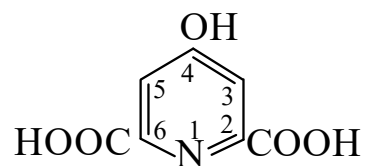




>>Entry Name: 4-Hydroxy-2,6-pyridinedicarboxylic acid

Synonym(s): 1,4-Dihydro-4-oxo-2,6-pyridinedicarboxylic acid, 9Cl. 4-Hydroxydipicolinic acid. 4(1*H*)-Pyridone-2,6-dicarboxylic acid. Chelidamic acid



CAS Registry Number: 499-51-4

Related CAS Registry Numbers(s): 138-60-3

Molecular Formula: C₇H₅NO₅

Molecular Weight: 183.12

Accurate Mass: 183.016774

Percentage Composition: C 45.91%; H 2.75%; N 7.65%; O 43.69%

Physical Description: Prisms + 1H₂O (H₂O)

Melting Point: Mp 248 dec.°

pKa Value: p*K*_{a1} 1.4; p*K*_{a2} 3.11; p*K*_{a3} 10.88 (20°, 0.1*M* NaNO₃)

>>Derivative: Di-Me ester

CAS Registry Number: 19872-91-4

Molecular Formula: C₉H₉NO₅

Molecular Weight: 211.174

Accurate Mass: 211.048074

Percentage Composition: C 51.19%; H 4.30%; N 6.63%; O 37.88%

Physical Description: Prisms (MeOH)

Melting Point: Mp 170-171°

Other Data: Forms monohydrate, Mp 165°

Rare Chemicals Library: S1127-5

>>Derivative: Di-Et ester

CAS Registry Number: 68631-52-7

Molecular Formula: C₁₁H₁₃NO₅

Molecular Weight: 239.227

Accurate Mass: 239.079374

Percentage Composition: C 55.23%; H 5.48%; N 5.85%; O 33.44%

Physical Description: Fine powder

Melting Point: Mp 122-123°

>>Derivative: Diamide

Molecular Formula: C₇H₇N₃O₃

Molecular Weight: 181.151

Accurate Mass: 181.048742

Percentage Composition: C 46.41%; H 3.89%; N 23.20%; O 26.50%

Physical Description: Needles (H₂O)

Melting Point: Mp 320-322°

>>Variant: *OH*-form

Molecular Formula: C₇H₅NO₅

Molecular Weight: 183.12

Accurate Mass: 183.016774

Percentage Composition: C 45.91%; H 2.75%; N 7.65%; O 43.69%

>>Derivative: Me ether

Synonym(s): 4-Methoxy-2,6-pyridinedicarboxylic acid

CAS Registry Number: 52062-26-7

Molecular Formula: C₈H₇NO₅

Molecular Weight: 197.147

Accurate Mass: 197.032424

Percentage Composition: C 48.74%; H 3.58%; N 7.10%; O 40.58%

Physical Description: Cryst. + 1H₂O (H₂O)

Melting Point: Mp 222.5-223.5 dec.°