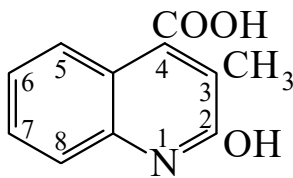




>>Entry Name: 2-Hydroxy-3-methyl-4-quinolinecarboxylic acid

Synonym(s): 1,2-Dihydro-3-methyl-2-oxo-4-quinolinecarboxylic acid, 9CI. 3-Methyl-2(1*H*)-quinolinone-4-carboxylic acid



CAS Registry Number: 6625-08-7

Molecular Formula: C₁₁H₉NO₃

Molecular Weight: 203.197

Accurate Mass: 203.058244

Percentage Composition: C 65.02%; H 4.46%; N 6.89%; O 23.62%

Physical Description: Needles + 1H₂O (H₂O)

Melting Point: Mp 315-317°

Rare Chemicals Library: S91477-0

>>Derivative: Me ester

CAS Registry Number: 72430-30-9

Molecular Formula: C₁₂H₁₁NO₃

Molecular Weight: 217.224

Accurate Mass: 217.073894

Percentage Composition: C 66.35%; H 5.10%; N 6.45%; O 22.10%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 174-175°

>>Derivative: Et ester

Molecular Formula: C₁₃H₁₃NO₃

Molecular Weight: 231.251

Accurate Mass: 231.089544

Percentage Composition: C 67.52%; H 5.67%; N 6.06%; O 20.76%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 167°

>>Derivative: Amide

Molecular Formula: C₁₁H₁₀N₂O₂

Molecular Weight: 202.212

Accurate Mass: 202.074228

Percentage Composition: C 65.34%; H 4.98%; N 13.85%; O 15.82%

Melting Point: Mp 353-354°

>>Derivative: Anilide

Molecular Formula: C₁₇H₁₄N₂O₂

Molecular Weight: 278.31

Accurate Mass: 278.105528

Percentage Composition: C 73.37%; H 5.07%; N 10.07%; O 11.50%

Melting Point: Mp 314-315°

References:

Meyer, H., *Monatsh. Chem.*, 1905, **26**, 1303-1329, (*synth*)

Ornstein, G., *Ber.*, 1907, **40**, 1088-1095, (*synth, amide, anilide*)