



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

Synonym(s): 1,4-Dihydro-4-oxo-3-quinolinecarboxylic acid, 4(1*H*)-Quinolinone-3-carboxylic acid

CAS Registry Number: 34785-11-0

Extra CAS Registry Numbers(s): 13721-01-2

Molecular Formula: C₁₀H₇NO₃

Molecular Weight: 189.17

Accurate Mass: 189.042594

Percentage Composition: C 63.49%; H 3.73%; N 7.40%; O 25.37%

Physical Description: Cryst.

Melting Point: Mp 269-270 dec.°

>>Derivative: Me ester

CAS Registry Number: 38113-86-9

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: Cream cryst. (CHCl₃/MeOH)

Melting Point: Mp 230°

>>Derivative: Et ester

CAS Registry Number: 26892-90-0

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%

Melting Point: Mp 275-276°

>>Variant: *NH*-form

Molecular Formula: C₁₀H₇NO₃

Molecular Weight: 189.17

Accurate Mass: 189.042594

Percentage Composition: C 63.49%; H 3.73%; N 7.40%; O 25.37%

>>Derivative: *N*-Me

CAS Registry Number: 18471-99-3

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: Cryst. (EtOAc or 2-methoxyethanol)

Melting Point: Mp 152-153°. Mp 296-298°

>>Derivative: *N*-Me, amide

CAS Registry Number: 31267-21-7

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%

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 280-283°