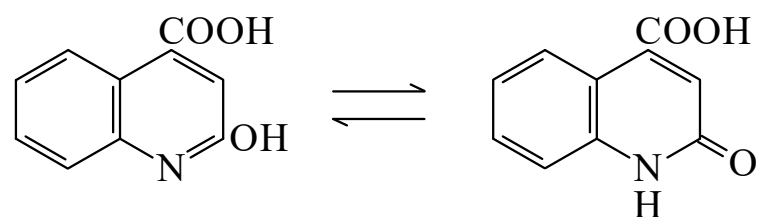




>>Entry Name: 2-Hydroxy-4-quinolinecarboxylic acid

Synonym(s): 1,2-Dihydro-2-oxo-4-quinolinecarboxylic acid. 2(1*H*)-Quinolinone-4-carboxylic acid. 2-Hydroxycinchoninic acid. Carbostyryl-4-carboxylic acid



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%

Source/Synthesis: Isol. from poppy straw (*Papaver somniferum*)

Physical Description: Needles (H₂O)

Melting Point: Mp 343° (anhyd.). Mp 310° (monohydrate)

>>Derivative: Me ester

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 (H₂O)

Melting Point: Mp 248-251°

>>Derivative: Et ester

Synonym(s): 4-Ethoxycarbonyl-2-(1*H*)-quinolinone

CAS Registry Number: 5466-27-3

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%

Biological Source: Alkaloid from the fruit of *Brucea javanica* and *Parthenocissus tricuspidata*

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 207-210°

>>Variant: *NH*-form

CAS Registry Number: 15733-89-8

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%

Rare Chemicals Library: S43703-4

>>Derivative: *N*-Me

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%

Melting Point: Mp 244°

>>Variant: *OH*-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%