



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

Synonym(s): 1,4-Dihydro-4-oxo-2-quinolinecarboxylic acid, 9Cl. 4(1*H*)-Quinolinone-2-carboxylic acid. 4-Hydroxyquinaldinic acid. Kynurenic acid. **Transtorine**

CAS Registry Number: 492-27-3

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%

Biological Source: Alkaloid from *Ephedra transitoria* (Ephedraceae)

Physical Description: Needles. Ppt. from soln. of Na salt by HCl

Melting Point: Mp 123° (nat. prod.). Mp 287-288 dec.°

Solubility: Insol. H₂O, Et₂O; sol. hot EtOH

Fluka: 61260

Sigma: K3375

>>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%

Melting Point: Mp 224°

>>Derivative: Et ester

CAS Registry Number: 13720-90-6

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 215° (213°)

>>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%

>>Derivative: Me ether

Synonym(s): 4-Methoxy-2-quinolinecarboxylic acid

CAS Registry Number: 15733-83-2

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 196-197 dec.°

Aldrich: 30508-1

>>Derivative: Me ether, Me ester

CAS Registry Number: 67976-94-7

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 148-149°