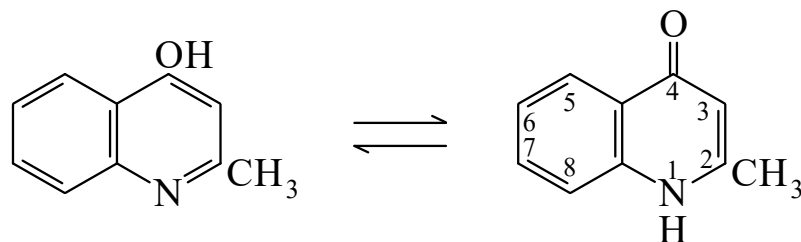




>>Entry Name: 4-Hydroxy-2-methylquinoline

Synonym(s): 2-Methyl-4(1*H*)-quinolinone, 9Cl. 2-Methyl-4(1*H*)-quinolone, 8Cl. 4-Hydroxyquinaldine. 2-Methyl-4-quinolinol. γ -Quinaldone



CAS Registry Number: 5660-24-2

Related CAS Registry Numbers(s): 607-67-0

Molecular Formula: C₁₀H₉NO

Molecular Weight: 159.187

Accurate Mass: 159.068414

Percentage Composition: C 75.45%; H 5.70%; N 8.80%; O 10.05%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 234-235°

>>Derivative: Hydrochloride

Physical Description: Prisms + 1H₂O (H₂O)

Melting Point: Mp 217° (anhyd.)

>>Derivative: Methiodide

Physical Description: Cryst. + 1H₂O, losing H₂O at 100°

Melting Point: Mp 201° (anhyd.)

>>Derivative: *N*-Oxide

Molecular Formula: C₁₀H₉NO₂

Molecular Weight: 175.187

Accurate Mass: 175.063329

Percentage Composition: C 68.56%; H 5.18%; N 8.00%; O 18.27%

Melting Point: Mp 246-248°

>>Variant: *NH*-form

Molecular Formula: C₁₀H₉NO

Molecular Weight: 159.187

Accurate Mass: 159.068414

Percentage Composition: C 75.45%; H 5.70%; N 8.80%; O 10.05%

>>Derivative: *N*-Me

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

CAS Registry Number: 6760-40-3

Molecular Formula: C₁₁H₁₁NO

Molecular Weight: 173.214

Accurate Mass: 173.084064

Percentage Composition: C 76.28%; H 6.40%; N 8.09%; O 9.24%

Biological Source: Alkaloid from *Platydesma campanulata* and *Acronychia baueri* (Rutaceae)

Physical Description: Needles (C₆H₆)

Melting Point: Mp 176°

Solubility: Sol. H₂O, EtOH, hot C₆H₆

>>Derivative: *N*-Me, picrate

Melting Point: Mp 234-238°