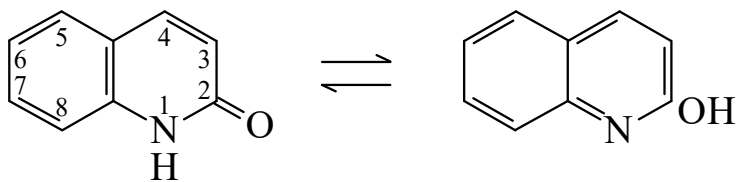




>>Entry Name: **2(1*H*)-Quinolinone**, 9CI

Synonym(s): Carbostyryl, 8CI. 2-Hydroxyquinoline. 2-Quinolinol



CAS Registry Number: 59-31-4

Related CAS Registry Numbers(s): 1321-40-0

Molecular Formula: C₉H₇NO

Molecular Weight: 145.16

Accurate Mass: 145.052764

Percentage Composition: C 74.47%; H 4.86%; N 9.65%; O 11.02%

Physical Description: Cryst. + 1H₂O

Melting Point: Mp 199-200° (anhyd.)

pKa Value: p*K*_{a1} -0.31; p*K*_{a2} 11.74

Hazard & Toxicity: LD₅₀ (mus, ipr) 150 mg/kg

Aldrich: 27087-3

>>Variant: *NH*-form

Molecular Formula: C₉H₇NO

Molecular Weight: 145.16

Accurate Mass: 145.052764

Percentage Composition: C 74.47%; H 4.86%; N 9.65%; O 11.02%

>>Derivative: *N*-Me

Synonym(s): 1-Methyl-2(1*H*)-quinolinone

CAS Registry Number: 606-43-9

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%

Biological Source: Alkaloid from the bark of *Galipea officinalis*

Physical Description: Needles (petrol)

Melting Point: Mp 74°

Rare Chemicals Library: S36386-3

>>Derivative: *N*-Et

CAS Registry Number: 53761-50-5

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%

Melting Point: Mp 54°

Boiling Point: Bp 316-318°

>>Derivative: *N*-Ph

CAS Registry Number: 67176-94-7

Molecular Formula: C₁₅H₁₁NO

Molecular Weight: 221.258

Accurate Mass: 221.084064

Percentage Composition: C 81.43%; H 5.01%; N 6.33%; O 7.23%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 138°