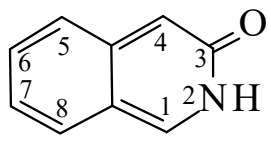
>>**Entry Name: 3(2*H*)-Isoquinolinone**
Synonym(s): 3-Hydroxyisoquinoline. 3-Isoquinolinol



CAS Registry Number: 7651-81-2

Molecular Formula: C_9H_7NO
Molecular Weight: 145.16
Accurate Mass: 145.052764
Percentage Composition: C 74.47%; H 4.86%; N 9.65%; O 11.02%

Physical Description: Yellow needles (C_6H_6)
Melting Point: Mp 195-196°
pKa Value: pK_{a1} 2.18; pK_{a2} 9.62 (20°)

Aldrich: 36895-4

>>**Variant:** *NH*-form

Molecular Formula: C_9H_7NO
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): 2-Methyl-3(2*H*)-isoquinolinone

Molecular Formula: $C_{10}H_9NO$
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. (C_6H_6/petrol)
Melting Point: Mp 129-136°

>>**Variant:** *OH*-form

Molecular Formula: C_9H_7NO
Molecular Weight: 145.16
Accurate Mass: 145.052764
Percentage Composition: C 74.47%; H 4.86%; N 9.65%; O 11.02%

>>**Derivative:** Me ether
Synonym(s): 3-Methoxyisoquinoline

Molecular Formula: $C_{10}H_9NO$
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. or liq.
Melting Point: Mp 10-12°

References:

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