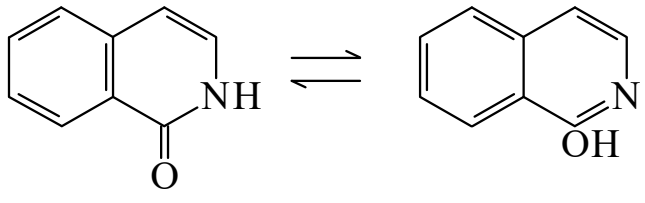
>>**Entry Name: 1(2*H*)-Isoquinolinone,** 9CI
Synonym(s): Isocarbostyril, 8CI. 1-Hydroxyisoquinoline. 1-Isoquinolinol



CAS Registry Number: 491-30-5

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: Needles (H_2O)
Melting Point: Mp 209-210°
pKa Value: pK_a –1.2 (20°, H_2SO_4 aq.)
Other Data: Sublimes

Aldrich: 15210-2
Fluka: 55435

>>**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*-Ac

Molecular Formula: $C_{11}H_9NO_2$
Molecular Weight: 187.198
Accurate Mass: 187.063329
Percentage Composition: C 70.58%; H 4.85%; N 7.48%; O 17.09%
Physical Description: Needles (cyclohexane)
Melting Point: Mp 84-86°

>>**Derivative:** *N*-Benzoyl

Molecular Formula: $C_{16}H_{11}NO_2$
Molecular Weight: 249.268
Accurate Mass: 249.078979
Percentage Composition: C 77.10%; H 4.45%; N 5.62%; O 12.84%
Physical Description: Needles (heptane)
Melting Point: Mp 147°

>>**Derivative:** *N*-Me

CAS Registry Number: 4594-71-2
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%
Melting Point: Mp 40°
Boiling Point: Bp_{720} 314-315°

>>**Derivative:** *N*-Hydroxy
Synonym(s): 2-Hydroxyisocarbostyril

CAS Registry Number: 21201-50-3
Molecular Formula: $C_9H_7NO_2$
Molecular Weight: 161.16
Accurate Mass: 161.047679
Percentage Composition: C 67.08%; H 4.38%; N 8.69%; O 19.86%
Physical Description: Needles
Melting Point: Mp 188-189°