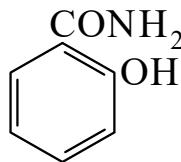




>>Entry Name: 2-Hydroxybenzamide, 9CI

Synonym(s): Salicylamide, BAN, INN. Algamon. Many other names



CAS Registry Number: 65-45-2

Molecular Formula: C₇H₇NO₂

Molecular Weight: 137.138

Accurate Mass: 137.047679

Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%

Use/Importance: Analgesic. Used as a 1% soln. in EtOH as metallochromic indicator in titrimetric detn. of Fe(III)

Physical Description: White or sl. pink cryst.

Melting Point: Mp 140°

pKa Value: pK_{a1} 8.89 (25°, 1M NaClO₄)

Calculated Log P Data: Log P 1.28 (calc)

Aldrich: 86041-7

Fluka: 84230

Rare Chemicals Library: S42329-7

Sigma: S0750

>>Derivative: Oxime

Synonym(s): Salicylamidoxime. N,2-Dihydroxybenzenecarboximidamide, 9CI

CAS Registry Number: 6005-58-9

Molecular Formula: C₇H₈N₂O₂

Molecular Weight: 152.152

Accurate Mass: 152.058578

Percentage Composition: C 55.26%; H 5.30%; N 18.41%; O 21.03%

Use/Importance: Used as a 0.2% aq. soln. for photometric detn. of Ti (λ_{max} 400 nm)

Physical Description: Cryst.

Solubility: Sol. EtOH, H₂O

>>Derivative: N-Ac

>>Derivative: O-Ac, N-(diethylaminobutyl)

Synonym(s): Dibusadol, INN. B 862

CAS Registry Number: 24353-45-5

Molecular Formula: C₁₇H₂₆N₂O₃

Molecular Weight: 306.404

Accurate Mass: 306.194343

Percentage Composition: C 66.64%; H 8.55%; N 9.14%; O 15.67%

Use/Importance: Analgesic

Calculated Log P Data: Log P 1.73 (calc)

>>Derivative: N,N-Di-Et

Synonym(s): N,N-Diethyl-2-hydroxybenzamide, 8CI. N,N-Diethylsalicylamide

CAS Registry Number: 19311-91-2

Molecular Formula: C₁₁H₁₅NO₂

Molecular Weight: 193.27

Accurate Mass: 193.110279

Percentage Composition: C 68.36%; H 7.84%; N 7.25%; O 16.56%

Physical Description: Cryst. (Me₂CO, C₆H₆ or EtOH)

Melting Point: Mp 104-107°

Aldrich: 29662-7

>>Derivative: N-Isopropyl