>>**Derivative:** *N*-Ph
Synonym(s): Salicylanilide. Ansadol. Hyanilid. Salifebrin. Salinidol. ASK

CAS Registry Number: 87-17-2

Molecular Formula: $C_{13}H_{11}NO_2$
Molecular Weight: 213.235
Accurate Mass: 213.078979
Percentage Composition: C 73.23%; H 5.20%; N 6.57%; O 15.01%
Use/Importance: Antipyretic and topical antifungal agent. Used as 1% aq. soln. for photometric detn. of U(*VI*) (λ_{max} 360 nm, ε 3870)
Physical Description: Prisms (H_2O)
Melting Point: Mp 135.8-136.2°
Solubility: Sol. alkalis, EtOH; mod. sol. H_2O
pKa Value: pK_a 7.5 (20°)
Calculated Log P Data: Log P 3.27 (calc)

Aldrich: 13176-8
Fluka: 84245
Sigma: S5503

>>**Derivative:** *N*-Ph, Et ether
Synonym(s): *N*-(*o*-Ethoxybenzoyl)phenylhydroxylamine. 2-Ethoxy-*N*-hydroxy-*N*-phenylbenzamide, 9CI

CAS Registry Number: 69079-96-5

Molecular Formula: $C_{15}H_{15}NO_2$
Molecular Weight: 241.289
Accurate Mass: 241.110279
Percentage Composition: C 74.67%; H 6.27%; N 5.80%; O 13.26%
Use/Importance: Used for pptn. of Al, Cu, Fe, Hf, Mn, Pb, Sn(*II*), Sn(*IV*), Ti, Zr
Physical Description: Cryst.
Melting Point: Mp 103°
Solubility: Sol. common org. solvs; spar. sol. H_2O (1 mg per 100 cm^3 at 25°)

>>**Derivative:** *N*-Hydroxy
Synonym(s): Salicylhydroxamic acid. *N*,2-Dihydroxybenzamide, 9CI

CAS Registry Number: 89-73-6

Molecular Formula: $C_7H_7NO_3$
Molecular Weight: 153.137
Accurate Mass: 153.042594
Percentage Composition: C 54.90%; H 4.61%; N 9.15%; O 31.34%
Use/Importance: Used as a 0.05*M* soln. in 5*M* HCl for extraction-photometric detn. of Ti, V. Trypanocide
Physical Description: Cryst. (CCl_4/heptanol)
Melting Point: Mp 168°
Solubility: Sol. acids

Aldrich: S60-7
Sigma: S7504

>>**Derivative:** Et ether
Synonym(s): 2-Ethoxybenzamide, 9CI. **Ethenzamide,** INN. Etenzamide, BAN. Many other names

CAS Registry Number: 938-73-8

Molecular Formula: $C_9H_{11}NO_2$
Molecular Weight: 165.191
Accurate Mass: 165.078979
Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%
Use/Importance: Analgesic
Melting Point: Mp 132-134°
Calculated Log P Data: Log P 1.29 (calc)

Aldrich: E440-2

>>**Derivative:** *O*-(*N*-Methylcarbamoyl), *N*-Ph