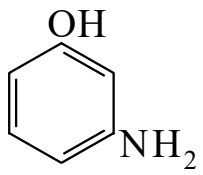
>>**Entry Name: 3-Aminophenol,** 9CI
Synonym(s): 1-Amino-3-hydroxybenzene. *m*-Hydroxyaniline



CAS Registry Number: 591-27-5
Related CAS Registry Numbers(s): 101012-81-1
Extra CAS Registry Numbers(s): 27598-85-2

Molecular Formula: C_6H_7NO
Molecular Weight: 109.127
Accurate Mass: 109.052764
Percentage Composition: C 66.04%; H 6.47%; N 12.84%; O 14.66%
Source/Synthesis: Produced by caustic fusion of 3-Aminobenzenesulfonic acid FFQ92-O or by reduction of 3-Nitrophenol DTX70-N
Use/Importance: Reagent for hplc anal. of 2-Acetoxybenzoic acid BLS47-M. Used in hair dyes. Monomer for polyester-amides, phenolic resins, and other polymers
Physical Description: Prisms (toluene)
Melting Point: Mp 124-126°
Boiling Point: Bp_{11} 164°
pKa Value: pK_{a1} 4.37; pK_{a2} 9.82 (20°, 0.1*M* KCl)
Hazard & Toxicity: LD_{50} (rat, orl) 924 mg/kg

Aldrich: 10024-2
Fluka: 9130

>>**Derivative:** Hydrochloride

CAS Registry Number: 51-81-0
Physical Description: Prisms (H_2O)
Melting Point: Mp 229°

>>**Derivative:** *N*-Formyl
Synonym(s): 3-Formamidophenol. 3-Hydroxyformanilide. *N*-(3-Hydroxyphenyl)formamide

CAS Registry Number: 24891-35-8
Molecular Formula: $C_7H_7NO_2$
Molecular Weight: 137.138
Accurate Mass: 137.047679
Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%
Melting Point: Mp 116° (110°)

>>**Derivative:** *N*-Ac
Synonym(s): 3-Acetamidophenol. 3-Hydroxyacetanilide. **Metacetamol,** BAN, INN**.** BS 749

CAS Registry Number: 621-42-1

Molecular Formula: $C_8H_9NO_2$
Molecular Weight: 151.165
Accurate Mass: 151.063329
Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%
Biological Use/Importance: Analgesic
Physical Description: Needles (H_2O)
Development Status: Never marketed
Melting Point: Mp 148-149°
pKa Value: pK_a 9.59 (25°)
Calculated Log P Data: Log P 0.49 (calc)
Hazard & Toxicity: LD_{50} (mus, ipr) 1025 mg/kg

Aldrich: A720-5
Fluka: 350
Sigma: A4911