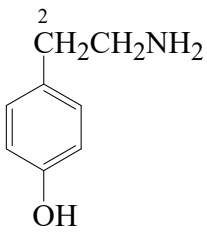
>>**Entry Name: 4-(2-Aminoethyl)phenol,** 9CI
ENTRY UNDER REVIEW
Synonym(s): 4-Hydroxybenzeneethanamine. 2-(*p*-Hydroxyphenyl)ethylamine. 4-Hydroxyphenethylamine. **Tyramine.** Tyrosamine



CAS Registry Number: 51-67-2
Related CAS Registry Numbers(s): 20375-37-5 70185-64-7

Molecular Formula: $C_8H_{11}NO$
Molecular Weight: 137.181
Accurate Mass: 137.084064
Percentage Composition: C 70.04%; H 8.08%; N 10.21%; O 11.66%
Biological Source: Widespread biogenic amine, found in several plant spp., such as *Magnolia* and *Desmodium* spp., *Pisum sativum* and *Hordeum vulgare* and in putrefied animal tissues. Found in urine of patients with Parkinson's disease. Also in mescal (*Lophophora williamsii*) and other cacti (Magnoliaceae, Leguminosae, Gramineae, Cactaceae). Also isol. from *Actinodaphne* sp., *Cannabis sativa, Piper nigrum* and other plant spp.
Use/Importance: Diagnostic aid. Vasopressor
Melting Point: Mp 164-164.5° (161°)
pKa Value: pK_{a1} 9.3; pK_{a2} 10.9 (25°)
Calculated Log P Data: Log P 0.62 (calc)
Hazard & Toxicity: LD_{50} (mus, ivn) 229 mg/kg ; BERDY HAZD : LD_{50} (mus, ivn) 229 mg/kg

Aldrich: T9034-4
Fluka: 93810
Sigma: T7255

>>**Derivative:** Hydrochloride

CAS Registry Number: 60-19-5
Melting Point: Mp 269°

Aldrich: T9035-2
Fluka: 93820
Sigma: T2879

>>**Derivative:** *N*-Ac
Synonym(s): *N*-[2-(4-Hydroxyphenyl)ethyl]acetamide. *N*-(*p*-Hydroxyphenethyl)acetamide, 8CI. ***N*-Acetyltyramine**

CAS Registry Number: 1202-66-0

Molecular Formula: $C_{10}H_{13}NO_2$
Molecular Weight: 179.218
Accurate Mass: 179.094629
Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%
Biological Source: Metab. of pathogenic fungi, mycobacteria, enterobacteria and from *Bombyx mori* at the chrysalis stage
Melting Point: Mp 134-135° (sinters at 128°)

>>**Derivative:** *O*,*N*-Di-Ac

CAS Registry Number: 14383-56-3
Molecular Formula: $C_{12}H_{15}NO_3$
Molecular Weight: 221.255
Accurate Mass: 221.105194
Percentage Composition: C 65.14%; H 6.83%; N 6.33%; O 21.69%
Melting Point: Mp 100.5°