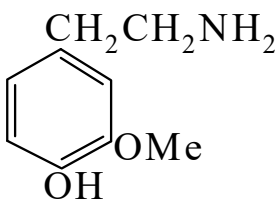




>>Entry Name: 4-Hydroxy-3-methoxyphenethylamine

Synonym(s): 4-(2-Aminoethyl)-2-methoxyphenol, 9Cl, 8Cl. 3-Methyldopamine. 3-Methoxytyramine. Homovanillylamine. 4-(2-Aminoethyl)guaiacol



CAS Registry Number: 554-52-9

Molecular Formula: C₉H₁₃NO₂

Molecular Weight: 167.207

Accurate Mass: 167.094629

Percentage Composition: C 64.65%; H 7.84%; N 8.38%; O 19.14%

Biological Source: Alkaloid from *Lophophora williamsii*, *Carnegiea gigantea*, *Trichocereus* spp. and other cacti, also detected in *Echinocereus merkeri*. Constit. of human brain tissue and urine

Use/Importance: Intermed. in mescaline biosynth.

Physical Description: Prisms (EtOH)

Melting Point: Mp 159° (156-157°)

>>Derivative: Hydrochloride

CAS Registry Number: 1477-68-5

Physical Description: Prisms (EtOH)

Melting Point: Mp 210-211°

Aldrich: 16431-3

Fluka: 65390

Sigma: M4251

>>Derivative: *N*-(2-Hydroxy-5-methoxybenzoyl)

Synonym(s): Aduncamide

CAS Registry Number: 154992-23-1

Molecular Formula: C₁₇H₁₉NO₅

Molecular Weight: 317.341

Accurate Mass: 317.126324

Percentage Composition: C 64.34%; H 6.03%; N 4.41%; O 25.21%

Biological Source: Constit. of *Piper aduncum*

UV: [neutral] λ_{max} 280 (ε 25118); 323 (ε 36300) (MeOH) (Berdy)

>>Derivative: *N*-(4-Hydroxy-3-methoxycinnamoyl)(*E*-)

Synonym(s): *N-trans-Feruloyl-3-methoxytyramine*

Molecular Formula: C₁₉H₂₁NO₅

Molecular Weight: 343.379

Accurate Mass: 343.141974

Percentage Composition: C 66.46%; H 6.16%; N 4.08%; O 23.30%

Biological Source: Alkaloid from *Annona cherimola*

Physical Description: Needles

Melting Point: Mp 111-113°

UV: [neutral] λ_{max} 220 (ε 3.42); 290 (ε 2.67); 319 (ε 3.15) (EtOH)

>>Derivative: *N*-(4-Hydroxy-3-methoxycinnamoyl)(*Z*-)

Synonym(s): *N-cis-Feruloyl-3-methoxytyramine*

Molecular Formula: C₁₉H₂₁NO₅

Molecular Weight: 343.379

Accurate Mass: 343.141974

Percentage Composition: C 66.46%; H 6.16%; N 4.08%; O 23.30%

Biological Source: Alkaloid from *Annona cherimola* and *Aristolochia gehrtii*

Physical Description: Needles

Melting Point: Mp 107-110° (248-251)

UV: [neutral] λ_{max} 222 (ε 3.47); 290 (ε 2.64); 319 (ε 3.2) (EtOH)