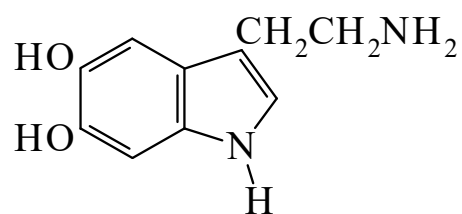




>>Entry Name: 5,6-Dihydroxytryptamine

Synonym(s): 3-(2-Aminoethyl)-1*H*-indole-5,6-diol, 9Cl



CAS Registry Number: 5090-36-8

Molecular Formula: C₁₀H₁₂N₂O₂

Molecular Weight: 192.217

Accurate Mass: 192.089878

Percentage Composition: C 62.49%; H 6.29%; N 14.57%; O 16.65%

Melting Point: Mp 92-95° (as formate salt)

Other Data: Hygroscopic and unstable to light and air

>>Derivative: 5-Me ether

Synonym(s): 6-Hydroxy-5-methoxytryptamine

Molecular Formula: C₁₁H₁₄N₂O₂

Molecular Weight: 206.244

Accurate Mass: 206.105528

Percentage Composition: C 64.06%; H 6.84%; N 13.58%; O 15.52%

Physical Description: Off-white cryst. (EtOH/Et₂O) (as formate salt)

Melting Point: Mp 207-208°

>>Derivative: 5-Me ether, *N*^b-Ac

Synonym(s): 6-Hydroxymelatonin

CAS Registry Number: 2208-41-5

Molecular Formula: C₁₃H₁₆N₂O₃

Molecular Weight: 248.281

Accurate Mass: 248.116093

Percentage Composition: C 62.89%; H 6.50%; N 11.28%; O 19.33%

Physical Description: Cryst. (EtOH/hexane)

Melting Point: Mp 174-175°

Sigma: H0627

Other: PB H13430

>>Derivative: 5-Me ether, *N*^b-Ac, 6-sulfate

CAS Registry Number: 2208-40-4

Molecular Formula: C₁₃H₁₆N₂O₆S

Molecular Weight: 328.345

Accurate Mass: 328.072908

Percentage Composition: C 47.55%; H 4.91%; N 8.53%; O 29.24%; S 9.77%

Use/Importance: Main plasma metab. of [FXR44-C](#)

Physical Description: Amorph. powder (EtOAc/hexane)

>>Derivative: 6-Me ether

Synonym(s): 5-Hydroxy-6-methoxytryptamine

Molecular Formula: C₁₁H₁₄N₂O₂

Molecular Weight: 206.244

Accurate Mass: 206.105528

Percentage Composition: C 64.06%; H 6.84%; N 13.58%; O 15.52%

Melting Point: Mp 71-73°. Mp 136-138° (dimorphic)

>>Derivative: 6-Benzyl, 5-Me ether

Molecular Formula: C₁₈H₂₀N₂O₂

Molecular Weight: 296.368

Accurate Mass: 296.152478

Percentage Composition: C 72.95%; H 6.80%; N 9.45%; O 10.80%

Physical Description: Tan cryst. (EtOH/Et₂O) (as formate salt)

Melting Point: Mp 155-156°