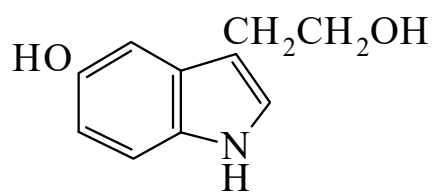




>>Entry Name: 5-Hydroxy-3-(2-hydroxyethyl)indole

Synonym(s): 5-Hydroxy-1*H*-indole-3-ethanol, 9CI. 5-Hydroxytryptophol



CAS Registry Number: 154-02-9

Molecular Formula: C₁₀H₁₁NO₂

Molecular Weight: 177.202

Accurate Mass: 177.078979

Percentage Composition: C 67.78%; H 6.26%; N 7.90%; O 18.06%

Biological Source: Present in bovine pineal tissue and *Bufo alvarius*. Serotonin metab. in rat

Physical Description: Prisms

Melting Point: Mp 105-107°

Hazard & Toxicity: Exp. reprod. effects

Sigma: H1880

>>Derivative: Picrate

Melting Point: Mp 150-152°

>>Derivative: 5-Me ether

Synonym(s): 3-(2-Hydroxyethyl)-5-methoxyindole. 5-Methoxytryptophol

CAS Registry Number: 712-09-4

Molecular Formula: C₁₁H₁₃NO₂

Molecular Weight: 191.229

Accurate Mass: 191.094629

Percentage Composition: C 69.09%; H 6.85%; N 7.32%; O 16.73%

Biological Source: Present in bovine pineal tissue and *Bufo alvarius*

Hazard & Toxicity: Human and exp. reprod. effects

Sigma: M4126

>>Derivative: 5-Benzyl ether

CAS Registry Number: 41339-61-1

Molecular Formula: C₁₇H₁₇NO₂

Molecular Weight: 267.327

Accurate Mass: 267.125929

Percentage Composition: C 76.38%; H 6.41%; N 5.24%; O 11.97%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 93-95°

References:

Kueder, S. *et al.*, *Biochem. J.*, 1962, **85**, 447

McIsaac, W.M. *et al.*, *Science (Washington, D.C.)*, 1965, **148**, 102

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MFT300