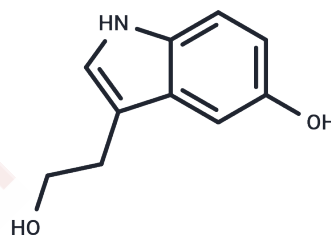


5-Hydroxytryptophol

Chemical Properties

CAS No. :	154-02-9
Formula:	C ₁₀ H ₁₁ NO ₂
Molecular Weight:	177.2
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	5-Hydroxytryptophol is a metabolite of tryptophan. It is used as a biomarker for recent alcohol consumption and causes sleeping sickness
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 125 mg/mL (705.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (22.57 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6433 mL	28.2167 mL	56.4334 mL
5 mM	1.1287 mL	5.6433 mL	11.2867 mL
10 mM	0.5643 mL	2.8217 mL	5.6433 mL
50 mM	0.1129 mL	0.5643 mL	1.1287 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Spies C D , Herpell J , Beck O , et al. The Urinary Ratio of 5-Hydroxytryptophol to 5-Hydroxyindole-3-Acetic Acid in Surgical Patients with Chronic Alcohol Misuse[J]. Alcohol, 1999, 17(1):19-27.
- Beck O , Borg S , Edman G , et al. 5-Hydroxytryptophol in Human Cerebrospinal Fluid: Conjugation, Concentration Gradient, Relationship to 5-Hydroxyindoleacetic Acid, and Influence of Hereditary Factors [J]. Journal of Neurochemistry, 1984, 43(1):58-61.

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