



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Serotonin

Chemical Properties

CAS No. : 50-67-9

Formula: C₁₀H₁₂N₂O

Molecular Weight: 176.22

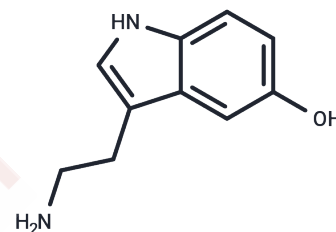
Appearance: no data available

Storage:

store at low temperature, keep away from moisture,

keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Serotonin (5-hydroxytryptamine) is a natural product from animals
Targets(IC50)	Others,5-HT Receptor,Endogenous Metabolite,Transferase
In vitro	Clock expression is required at the early stages of differentiation to brown adipocytes, and serotonin interferes with this process by modulating clock functionality. Serotonin interferes with clock functionality by reducing the levels of the active form of calcium/calmodulin-dependent protein kinase type II subunit gamma.

Solubility Information

Solubility	DMSO: 55 mg/ml (312.11 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6747 mL	28.3736 mL	56.7472 mL
5 mM	1.1349 mL	5.6747 mL	11.3494 mL
10 mM	0.5675 mL	2.8374 mL	5.6747 mL
50 mM	0.1135 mL	0.5675 mL	1.1349 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.

Reference

Huang S, Xu P, Shen D D, et al. GPCRs steer Gi and Gs selectivity via TM5-TM6 switches as revealed by structures of serotonin receptors. *Molecular Cell*. 2022

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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