



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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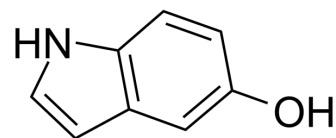
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5-Hydroxyindole

Cat. No.:	HY-W001160		
CAS No.:	1953-54-4		
Molecular Formula:	C ₈ H ₇ NO		
Molecular Weight:	133.15		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (375.52 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	7.5103 mL	37.5516 mL	75.1033 mL
		5 mM	1.5021 mL	7.5103 mL	15.0207 mL
10 mM		0.7510 mL	3.7552 mL	7.5103 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (18.78 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (18.78 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	5-Hydroxyindole, a hydroxylated indole, can be found in a vast array of pharmacologically active agents and natural products. 5-Hydroxyindole slows desensitization of the 5-HT ₃ receptor-mediated ion current in N1E-115 neuroblastoma cells ^{[1][2]} .
IC₅₀ & Target	Microbial Metabolite

REFERENCES

[1]. Kooyman AR, et, al. 5-Hydroxyindole slows desensitization of the 5-HT₃ receptor-mediated ion current in N1E-115 neuroblastoma cells. Br J Pharmacol. 1993 Feb;108(2):287-9.

[2]. LaPorte M, et, al. 5-Hydroxyindoles by intramolecular alkynol-furan diels-alder cycloaddition. J Org Chem. 2013 Jan 4;78(1):167-74.

Caution: Product has not been fully validated for medical applications. For research use only.

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