



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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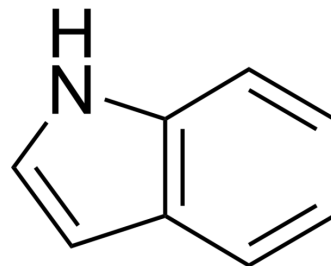
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Indole

Cat. No.:	HY-W001132		
CAS No.:	120-72-9		
Molecular Formula:	C ₈ H ₇ N		
Molecular Weight:	117.15		
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 : 100 mg/mL (853.61 mM; Need ultrasonic)
 H₂O : 3.57 mg/mL (30.47 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	8.5361 mL	42.6803 mL	85.3606 mL
	5 mM	1.7072 mL	8.5361 mL	17.0721 mL
	10 mM	0.8536 mL	4.2680 mL	8.5361 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.75 mg/mL (23.47 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.75 mg/mL (23.47 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.75 mg/mL (23.47 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Indole is an aromatic, heterocyclic, organic compound which widely distributed in the natural environment and can be produced by a variety of bacteria. Indole regulates various aspects of bacterial physiology, including spore formation, plasmid stability, resistance to drugs, biofilm formation, and virulence as an intercellular signal molecule^[1].

IC₅₀ & Target

Microbial Metabolite

Human Endogenous Metabolite

CUSTOMER VALIDATION

- Imeta. 2024 Jan 15.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Lee JH, et al. Indole as an intercellular signal in microbial communities. FEMS Microbiol Rev. 2010 Jul;34(4):426-44.

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

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