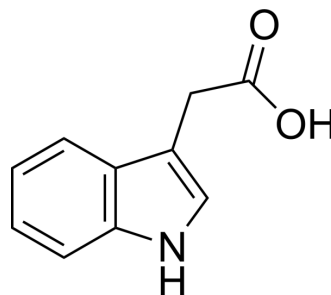


3-Indoleacetic acid

Cat. No.:	HY-18569		
CAS No.:	87-51-4		
Molecular Formula:	C ₁₀ H ₉ NO ₂		
Molecular Weight:	175.18		
Target:	Endogenous Metabolite; Molecular Glues		
Pathway:	Metabolic Enzyme/Protease; PROTAC		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (713.55 mM; Need ultrasonic)
 H₂O : 1 mg/mL (5.71 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.7084 mL	28.5421 mL	57.0841 mL
	5 mM	1.1417 mL	5.7084 mL	11.4168 mL
	10 mM	0.5708 mL	2.8542 mL	5.7084 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: ≥ 2.08 mg/mL (11.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.08 mg/mL (11.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.08 mg/mL (11.87 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3-Indoleacetic acid (Indole-3-acetic acid) is the most common natural plant growth hormone of the auxin class. It can be added to cell culture medium to induce plant cell elongation and division.

IC₅₀ & Target

Microbial Metabolite

Human Endogenous Metabolite

CUSTOMER VALIDATION

- Proc Natl Acad Sci U S A. 2023 May 16;120(20):e2303479120.
- Diabetes. 2024 Mar 12;db230553.
- Mol Med Rep. 2023 Sep;28(3):159.
- Research Square Preprint. 2021 Aug.

See more customer validations on www.MedChemExpress.com

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

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