



# 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

### SZABO-SCANDIC HandelsgmbH

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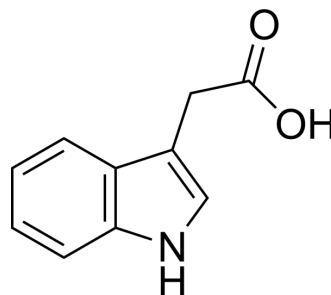
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## 3-Indoleacetic acid

<b>Cat. No.:</b>	HY-18569		
<b>CAS No.:</b>	87-51-4		
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>9</sub> NO <sub>2</sub>		
<b>Molecular Weight:</b>	175.18		
<b>Target:</b>	Endogenous Metabolite; Molecular Glues		
<b>Pathway:</b>	Metabolic Enzyme/Protease; PROTAC		
<b>Storage:</b>	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)  
 H<sub>2</sub>O : 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.

#### IC<sub>50</sub> & 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](http://www.MedChemExpress.com)

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

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