



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

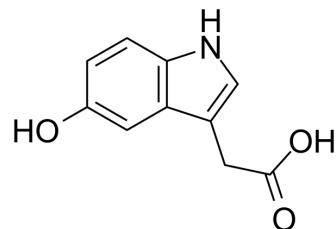
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

5-Hydroxyindole-3-acetic acid

Cat. No.:	HY-W008253
CAS No.:	54-16-0
Molecular Formula:	C ₁₀ H ₉ NO ₃
Molecular Weight:	191.18
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (523.07 mM; Need ultrasonic)					
	Ethanol : 50 mg/mL (261.53 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		5.2307 mL	26.1534 mL	52.3067 mL
5 mM			1.0461 mL	5.2307 mL	10.4613 mL	
	10 mM		0.5231 mL	2.6153 mL	5.2307 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (13.08 mM); Clear solution					
	2. Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (13.08 mM); Clear solution					
	3. Add each solvent one by one: 10% EtOH >> 90% corn oil Solubility: ≥ 2.5 mg/mL (13.08 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	5-Hydroxyindole-3-acetic acid is the main metabolite of serotonin or metanephrines, which can be used as a biomarker of neuroendocrine tumors.
IC₅₀ & Target	Human Endogenous Metabolite
In Vitro	5-Hydroxyindole-3-acetic acid (5HIAA) is a metabolite issued from serotonin metabolism, and the latter is synthesized from the essential amino acid tryptophan. Serotonin is mainly metabolised by monoamine oxidase in the liver and the lungs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Corcuff JB, et al. Urinary sampling for 5HIAA and metanephrines determination: revisiting the recommendations. *Endocr Connect*. 2017 Aug;6(6):R87-R98.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA