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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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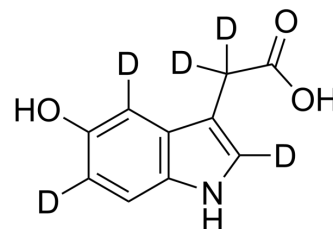
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5-Hydroxyindole-3-acetic acid-d₅

Cat. No.:	HY-W008253S2
CAS No.:	81587-11-3
Molecular Formula:	C ₁₀ H ₄ D ₅ NO ₃
Molecular Weight:	196.21
Target:	Isotope-Labeled Compounds; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (509.66 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		5.0966 mL	25.4829 mL	50.9658 mL
	5 mM		1.0193 mL	5.0966 mL	10.1932 mL
	10 mM		0.5097 mL	2.5483 mL	5.0966 mL

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

BIOLOGICAL ACTIVITY

Description

5-Hydroxyindole-3-acetic acid-d₅ is the deuterium labeled 5-Hydroxyindole-3-acetic acid (HY-W008253)^[1]. 5-Hydroxyindole-3-acetic acid is the main metabolite of serotonin or metanephrines, which can be used as a biomarker of neuroendocrine tumors^[2].

In Vitro

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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

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