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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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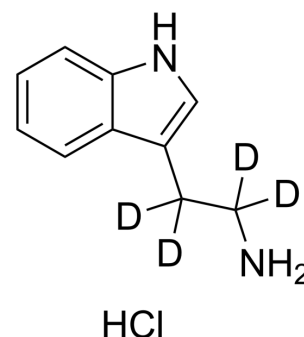
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Tryptamine-d₄ hydrochloride

Cat. No.:	HY-B2132S1
CAS No.:	340257-60-5
Molecular Formula:	C ₁₀ H ₉ D ₄ ClN ₂
Molecular Weight:	200.7
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (498.26 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.9826 mL	24.9128 mL	49.8256 mL
	5 mM		0.9965 mL	4.9826 mL	9.9651 mL
	10 mM		0.4983 mL	2.4913 mL	4.9826 mL

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

BIOLOGICAL ACTIVITY

Description

Tryptamine-d₄ (hydrochloride) is the deuterium labeled Tryptamine hydrochloride. Tryptamine hydrochloride, a monoamine alkaloid, similar to other trace amines, is believed to play a role as a neuromodulator or neurotransmitter[1].

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;53(2):211-216.
- [2]. Jones RS, et al. Tryptamine: a neuromodulator or neurotransmitter in mammalian brain? Prog Neurobiol. 1982;19(1-2):117-39.

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

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