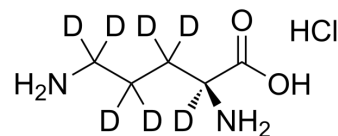


L-Ornithine-d₇ hydrochloride

Cat. No.:	HY-W017018S4
CAS No.:	2483831-57-6
Molecular Formula:	C ₅ H ₆ D ₇ ClN ₂ O ₂
Molecular Weight:	175.67
Target:	Endogenous Metabolite; Isotope-Labeled Compounds
Pathway:	Metabolic Enzyme/Protease; Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	L-Ornithine-d ₇ (hydrochloride) is the deuterium labeled L-Ornithine hydrochloride. L-Ornithine hydrochloride is a free amino acid that plays a central role in the urea cycle and is also important for the disposal of excess nitrogen.
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.

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

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