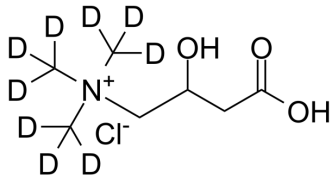
(±)-Carnitine-d9 chloride

Cat. No.:	HY-B1453S1
CAS No.:	1219386-75-0
Molecular Formula:	$C_7H_7D_9ClNO_3$
Molecular Weight:	206.72
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
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	(±)-Carnitine-d9 (DL-Carnitine-d9) chloride is the deuterium labeled (±)-Carnitine chloride. (±)-Carnitine chloride exists in two isomers, known as D and L. L-carnitine plays an essential role in the β-oxidation of fatty acids and also shows antioxidant, and anti-inflammatory activities.
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.

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REFERENCES

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