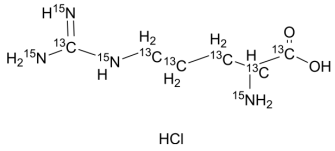
Arginine-$^{13}C_6$,$^{15}N_4$ hydrochloride

Cat. No.:	HY-W014375S4
Molecular Formula:	$^{13}C_6H_{15}Cl^{15}N_4O_2$
Molecular Weight:	220.59
Target:	Isotope-Labeled Compounds; Amino Acid Derivatives
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Arginine-$^{13}C_6$,$^{15}N_4$ hydrochloride is ^{13}C and ^{15}N-labeled Arginine (hydrochloride) (HY-W014375). Arginine hydrochloride is an arginine derivative.
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.

[2]. Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-1144.

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