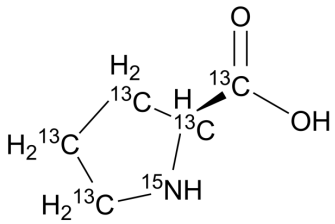
L-Proline-$^{13}C_5$,^{15}N

Cat. No.:	HY-Y0252S4
CAS No.:	202407-23-6
Molecular Formula:	$^{13}C_5H_9{}^{15}NO_2$
Molecular Weight:	121.09
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	L-Proline-$^{13}C_5$,1-^{15}N is the ^{13}C- and ^{15}N-labeled L-Proline. L-Proline is one of the twenty amino acids used in living organisms as the building blocks of proteins.
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.

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