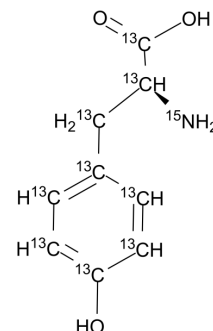


DL-Tyrosine-¹³C₉,¹⁵N

Cat. No.:	HY-Y0123S
CAS No.:	202407-26-9
Molecular Formula:	¹³ C ₉ H ₁₁ ¹⁵ NO ₃
Molecular Weight:	191.12
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	DL-Tyrosine- ¹³ C ₉ , ¹⁵ N is the ¹³ C- and ¹⁵ N-labeled DL-Tyrosine. DL-Tyrosine is an aromatic nonessential amino acid synthesized from the essential amino acid phenylalanine. DL-Tyrosine is a precursor for several important neurotransmitters (epinephrine, norepinephrine, dopamine)[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.

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

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