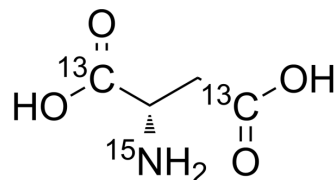


L-Aspartic acid-1,4-¹³C₂, ¹⁵N

Cat. No.:	HY-N0666S7
CAS No.:	2483830-03-9
Molecular Formula:	C ₂ ¹³ C ₂ H ₇ ¹⁵ NO ₄
Molecular Weight:	136.08
Target:	Endogenous Metabolite; Isotope-Labeled Compounds
Pathway:	Metabolic Enzyme/Protease; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	L-Aspartic acid-1,4- ¹³ C ₂ , ¹⁵ N is the ¹³ C- and ¹⁵ N-labeled L-Aspartic acid. L-Aspartic acid is an amino acid, shown to be a suitable proagent for colon-specific agent delivery.
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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA