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Produktinformation



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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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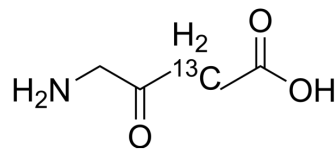
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5-Aminolevulinic acid-¹³C

Cat. No.:	HY-W000450S
CAS No.:	123253-93-0
Molecular Formula:	C ₄ ¹³ CH ₉ NO ₃
Molecular Weight:	132.12
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	5-Aminolevulinic acid- ¹³ C is the ¹³ C-labeled 5-Aminolevulinic acid. 5-Aminolevulinic acid (5-ALA) is a non-protein amino acid that plays a rate-limiting role in heme biosynthesis.
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.
- [2]. Pedrosa-Gerasmio IR, et al. Effects of 5-Aminolevulinic Acid on Gene Expression, Immunity, and ATP Levels in Pacific White Shrimp, *Litopenaeus vannamei*. *Mar Biotechnol* (NY). 2018 Aug 25.

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

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