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Zuschläge

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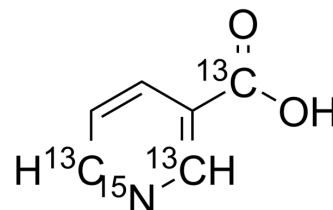
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Niacin-¹⁵N, ¹³C₃

Cat. No.:	HY-B0143S4
CAS No.:	2483829-87-2
Molecular Formula:	C ₃ ¹³ C ₃ H ₅ ¹⁵ NO ₂
Molecular Weight:	127.08
Target:	Autophagy; Endogenous Metabolite
Pathway:	Autophagy; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Niacin- ¹⁵ N, ¹³ C ₃ is the ¹³ C and ¹⁵ N labeled Niacin[1]. Niacin (Vitamin B3) is an orally active water-soluble B3 vitamin that is an essential nutrient for humans. Niacin (Vitamin B3) plays a key role in energy metabolism, cell signaling cascades regulating gene expression and apoptosis. Niacin (Vitamin B3) is also used in the study of cardiovascular diseases[2][3].
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

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- [3]. Wan P, et al. Pellagra: a review with emphasis on photosensitivity. *Br J Dermatol*. 2011 Jun164(6):1188-200.
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Caution: Product has not been fully validated for medical applications. For research use only.

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