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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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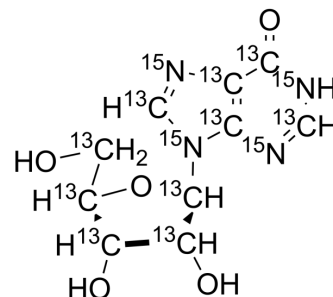
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Inosine-¹³C₁₀, ¹⁵N₄

Cat. No.:	HY-N0092S3
Molecular Formula:	¹³ C ₁₀ H ₁₂ ¹⁵ N ₄ O ₅
Molecular Weight:	282.13
Target:	Adenosine Receptor; Endogenous Metabolite
Pathway:	GPCR/G Protein; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Inosine-13C₁₀,15N₄ is ¹³C and ¹⁵N labeled Inosine (HY-N0092). Inosine is an endogenous purine nucleoside produced by catabolism of adenosine. Inosine has anti-inflammatory, antinociceptive, immunomodulatory and neuroprotective effects. Inosine is an agonist for adenosine A₁ (A₁R) and A_{2A} (A_{2A}R) receptors^{[1][2][3]}.

REFERENCES

- [1]. Filipe Marques Gonçalves, et al. Signaling pathways underlying the antidepressant-like effect of inosine in mice. *Purinergic Signal*. 2017 Jun; 13(2): 203-214.
- [2]. Francisney Pinto Nascimento, et al. Adenosine A₁ receptor-dependent antinociception induced by inosine in mice: pharmacological, genetic and biochemical aspects. *Mol Neurobiol*. 2015;51(3):1368-78.
- [3]. Ajith A. Welihinda, et al. The adenosine metabolite inosine is a functional agonist of the adenosine A_{2A} receptor with a unique signaling bias. *Cell Signal*. 2016 Jun; 28(6): 552-560.
- [4]. Sara Cipriani, et al. Protection by inosine in a cellular model of Parkinson's disease. *Neuroscience*. 2014 Aug 22; 274: 242-249.

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

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