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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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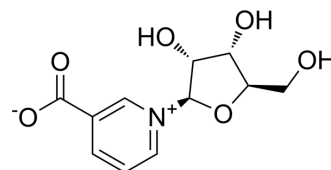
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Nicotinic acid riboside

Cat. No.:	HY-W104368		
CAS No.:	17720-18-2		
Molecular Formula:	C ₁₁ H ₁₃ NO ₆		
Molecular Weight:	255.22		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 62.5 mg/mL (244.89 mM; Need ultrasonic)					
		Solvent	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	Concentration				
		1 mM		3.9182 mL	19.5909 mL	39.1819 mL
5 mM		0.7836 mL	3.9182 mL	7.8364 mL		
		10 mM	0.3918 mL	1.9591 mL	3.9182 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (391.82 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Nicotinic acid riboside is a NAD ⁺ precursor in human cells. Nicotinic acid riboside is an authentic intermediate of human NAD ⁺ metabolism ^{[1][2]} .
In Vitro	Nicotinic acid riboside (HepG2 cells; 0.01 nM~0.1 mM) helps FK866-treated cells to maintain viability at low micromolar concentrations ^[1] . Nicotinic acid riboside formation and release are caused by overexpression of FLAG-tagged CN-II and CN-III in HEK293 and HepG2 cells. CN-II and CN-III generate Nicotinic acid riboside in vitro by dephosphorylation of nicotinic acid mononucleotide (NAMN) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sasaki Y, et al. Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection. *Exp Neurol*. 2021;345:113842.

[2]. Bogan KL, et al. Identification of Isn1 and Sdt1 as glucose- and vitamin-regulated nicotinamide mononucleotide and nicotinic acid mononucleotide [corrected] 5'-nucleotidases responsible for production of nicotinamide riboside and nicotinic acid riboside [

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

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