



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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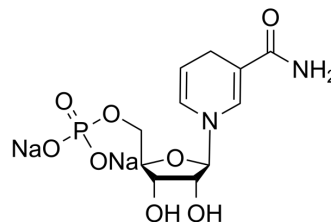
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## β-Nicotinamide mononucleotide, reduced form disodium

<b>Cat. No.:</b>	HY-W615108B
<b>CAS No.:</b>	108347-85-9
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>15</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>8</sub> P
<b>Molecular Weight:</b>	380.2
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 125 mg/mL (328.77 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6302 mL	13.1510 mL	26.3019 mL
	5 mM	0.5260 mL	2.6302 mL	5.2604 mL
	10 mM	0.2630 mL	1.3151 mL	2.6302 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

β-Nicotinamide mononucleotide, reduced form disodium (β-NMN) is the oxidized form of NAD<sup>+</sup> precursor and is a NAD<sup>+</sup> enhancer. β-Nicotinamide mononucleotide, reduced form disodium can be reduced to dihydronicotinamide mononucleotide (NMNH). NMNH inhibits glycolysis, TCA cycle, and cell growth<sup>[1]</sup>.

### REFERENCES

[1]. Liu Y, et al. Reduced Nicotinamide Mononucleotide (NMNH) Potently Enhances NAD<sup>+</sup> and Suppresses Glycolysis, the TCA Cycle, and Cell Growth. J Proteome Res. 2021 May 7;20(5):2596-2606.

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

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