



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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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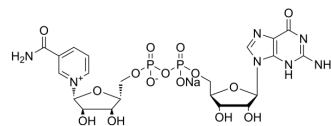
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## Nicotinamide-guanine dinucleotide sodium

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-164690A                                                                                |
| CAS No.:           | 2600354-60-5                                                                              |
| Molecular Formula: | C <sub>21</sub> H <sub>26</sub> N <sub>7</sub> NaO <sub>15</sub> P <sub>2</sub>           |
| Molecular Weight:  | 701.41                                                                                    |
| Target:            | Endogenous Metabolite                                                                     |
| Pathway:           | Metabolic Enzyme/Protease                                                                 |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 250 mg/mL (356.42 mM)  
 \* "≥" means soluble, but saturation unknown.

|                           | Solvent<br>Concentration | Mass | 1 mg      | 5 mg      | 10 mg      |
|---------------------------|--------------------------|------|-----------|-----------|------------|
|                           |                          |      |           |           |            |
| Preparing Stock Solutions | 1 mM                     |      | 1.4257 mL | 7.1285 mL | 14.2570 mL |
|                           | 5 mM                     |      | 0.2851 mL | 1.4257 mL | 2.8514 mL  |
|                           | 10 mM                    |      | 0.1426 mL | 0.7128 mL | 1.4257 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

Nicotinamide-guanine dinucleotide sodium, a NAD sodium (HY-B0445A) analog, is an oxidized forms of nicotinamide guanine dinucleotide. Nicotinamide-guanine dinucleotide sodium serves as coenzymes for alcohol dehydrogenase (ADH) in vitro<sup>[1]</sup>.

### REFERENCES

[1]. Keisuke Yaku, et al. Metabolism and biochemical properties of nicotinamide adenine dinucleotide (NAD) analogs, nicotinamide guanine dinucleotide (NGD) and nicotinamide hypoxanthine dinucleotide (NHD). Sci Rep. 2019 Sep 11;9(1):13102.

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

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