



# 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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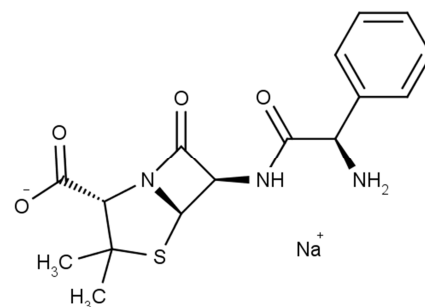
[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



## Ampicillin, sodium salt

<b>Catalog No:</b>	01503
<b>Lot No:</b>	XXXXXX
<b>Cas No:</b>	69-52-3
<b>Formula:</b>	C <sub>16</sub> H <sub>18</sub> N <sub>3</sub> O <sub>4</sub> S · Na
<b>MW:</b>	371.39
<b>Supplied as:</b>	solid
<b>Stability:</b>	store at 4°C, protect from moisture



### Background

Belonging to the penicillin group of beta-lactam antibiotics, ampicillin is able to penetrate Gram-positive and some Gram-negative bacteria. It differs from penicillin G, or benzylpenicillin, only by the presence of an amino group. That amino group helps the drug penetrate the outer membrane of Gram-negative bacteria. Ampicillin acts as an irreversible inhibitor of the enzyme transpeptidase, which is needed by bacteria to make their cell walls. It inhibits the third and final stage of bacterial cell wall synthesis in binary fission, which ultimately leads to cell lysis; therefore ampicillin is bacteriocidal.

### Tests

**Appearance:**

**Assay (HPLC):**

**Solution (10% in H<sub>2</sub>O)**

**Abs. (10% in H<sub>2</sub>O, 1 cm, 430 nm) :**

**pH (10% in H<sub>2</sub>O):**

**Water (K.F.):**

**Ampicillin dimer:**

**Residual solvents:**

**Related substances:**

**Heavy metals:**

**Bacterial endotoxins:**

### Specifications

white powder

≥91%

clear, colorless

≤0.15

8.0 – 10.0

<2.0%

<4.5%

≤0.2%

<2.00%

≤20 ppm

<0.15 EU/mg

### Usage

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