



# SZABO SCANDIC

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## 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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## Antibiotic A-23187

Ca<sup>2+</sup> ionophore  
Catalog No. SIH-227



Discovery through partnership | Excellence through quality

### Overview

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#### Product Name

Antibiotic A-23187

#### Description

Ca<sup>2+</sup> ionophore

#### Purity

>98%

#### CAS No.

52665-69-7

#### Molecular Formula

C<sub>11</sub>H<sub>11</sub>N<sub>1</sub>O<sub>1</sub>

#### Molecular Weight

523.63

### Properties

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#### Storage Temperature

-20°C

#### Shipping Temperature

Shipped Ambient

#### Product Type

Inducer

#### Solubility

Soluble to 10 mM in ethanol and to 50 mM in DMSO

#### Source

Synthetic

#### Appearance

White Solid

#### SMILES

C[C@H]1CCC2([C@@H](C[C@H]1)[C@H](O2)C(C)C(=O)C3=CC=CN3)C)O[C@H]1CC4=NC5=C(O4)C=CC(=C5C(=O)O)NC

#### InChI

InChI=1S/C29H37N3O6/c1-15-10-11-29(17(3)13-16(2)27(38-29)18(4)26(33)20-7-6-12-31-20)37-22(15)14-23-32-25-21(36-23)9-8

## InChIKey

HIYAVKIYRIFSCZ-CVXKHCKVSA-N

## Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

## Cite This Product

Antibiotic A-23187 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-227)

## Biological Description

### Alternative Names

5-(Methylamino)-2-((2S,3S,8S,9R,11R)-3,9,11-trimethyl-8-[(2S)-1-oxo-1-(1H-pyrrol-2-yl)-2-propanyl]-1,7-dioxaspiro[5.5]undec-2-yl)methyl)-1,3-benzoxazole-4-carboxylic acid, A23187, Calcimycin

### Research Areas

Cancer, Apoptosis

### PubChem ID

40486

### Scientific Background

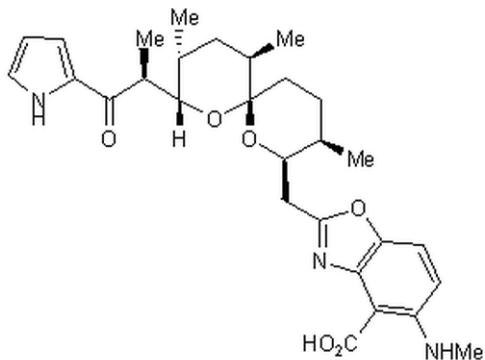
A23187 is a mobile ion-carrier that forms stable complexes with divalent cations. It has antibiotic properties against gram positive bacteria and fungi. It also acts as divalent cation ionophore, that is used to increase intracellular calcium levels in intact cells (1). It also induces apoptosis in some cells and prevents it in others (2).

### References

1. Abbott B.J., et al. (1979) Antimicrob Agents Chemother. 16(6): 808-812.
2. <http://a23187.4mg.com>

## Product Images

Chemical structure of Antibiotic A-23187 (SIH-227), a Ca<sup>2+</sup> ionophore. CAS #: 52665-69-7. Molecular Formula: C<sub>29</sub>H<sub>37</sub>N<sub>3</sub>O<sub>6</sub>. Molecular Weight: 523.63 g/mol.



## Product Citations (0)

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Currently there are no citations for this product.

## **Reviews**

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There are no reviews yet.