



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

STO 609

CAMKK kinase inhibitor  
Catalog No. SIH-479



Discovery through partnership | Excellence through quality

## Overview

---

### Product Name

STO 609

### Description

CAMKK kinase inhibitor

### Purity

>98% (TLC)

### CAS No.

52029-86-4

### Molecular Formula

C11H11NO1

### Molecular Weight

374.3

## Properties

---

### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in DMSO (10 mg/ml)

### Source

Synthetic

### Appearance

Yellow solid

### SMILES

CC(=O)O.C1=CC=C2C(=C1)N=C3N2C(=O)C4=CC=CC5=C(C=CC3=C54)C(=O)O

### InChI

InChI=1S/C19H10N2O3.C2H4O2/c22-18-13-5-3-4-10-11(19(23)24)8-9-12(16(10)13)17-20-14-6-1-2-7-15(14)21(17)18;1-2(3)4/h1-9H,(H,23,

24);1H3,(H,3,4)

## InChIKey

WNRSTFUVBWNELX-UHFFFAOYSA-N

## Safety Phrases

Classification:

Not a hazardous substance or mixture.

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

STO 609 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-479)

## Biological Description

### Alternative Names

7-Oxo-7H-benzimidazo[2,1-a]benz[de]isoquinoline-3-carboxylic acid, acetate salt

### Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, Cell Signaling, Tyrosine Kinase Inhibitors

### PubChem ID

16760660

### Scientific Background

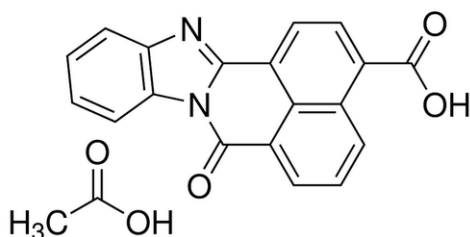
STO 609 is a potent, competitive and selective inhibitor of Ca<sup>2+</sup>/Calmodulin-dependent protein kinase kinase (CaM-KK). STO 609 has been shown to bind to the CaMKK catalytic domain, consequently inhibiting autophosphorylation. It is a valuable tool for exploring the role of the CaM-KK pathway in various physiological processes. STO 609 is cell-permeable.

### References

1. Tokumitsu, H., et al. (2002) J. Biol. Chem. 277(18): 1581315818.
2. Levine Y.C., Li G.K., & Michel T. (2007) J. Biol. Chem. 282(28): 2035120364.
3. Anderson K.A., et al. (2008) Cell Metabolism. 7(5): 377388.

## Product Images

Chemical structure of STO 609 (SIH-479), a CAMKK kinase inhibitor. CAS #: 52029-86-4. Molecular Formula: C<sub>21</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub>. Molecular Weight: 374.3 g/mol.



## Product Citations (0)

---

Currently there are no citations for this product.

## Reviews

---

There are no reviews yet.