



# 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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# Alsterpallone

CDK, GSK Inhibitor  
Catalog No. SIH-431



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Alsterpallone

### Description

CDK, GSK Inhibitor

### Purity

>98% (HPLC)

### CAS No.

237430-03-4

### Molecular Formula

C11H11NO1

### Molecular Weight

293.3

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in DMSO; insoluble in water or 100% ethanol

### Source

Synthetic

### Appearance

Yellow to brown powder

### SMILES

C1C2=C(C3=CC=CC=C3NC1=O)NC4=C2C=C(C=C4)[N+](=O)[O-]

### InChI

InChI=1S/C16H11N3O3/c20-15-8-12-11-7-9(19(21)22)5-6-14(11)18-16(12)10-3-1-2-4-13(10)17-15/h1-7,18H,8H2,(H,17,20)

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## InChIKey

OLUKILHGKRDCT-UHFFFAOYSA-N

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## Safety Phrases

### Classification:

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

### 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.

### Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

### Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well - ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P321 Specific treatment (see supplemental first aid instructions on this label).

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P403 + P233 Store in a well - ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

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## Cite This Product

Alsterpaullone (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-431)

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## Biological Description

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### Alternative Names

9-Nitro-7,12-dihydroindolo-[3,2-d][1]benzazepin-6(5)-one

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### Research Areas

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

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### PubChem ID

5005498

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### Scientific Background

Alsterpaullone is a potent inhibitor of CDK1/cyclin B. It is also a potent and selective inhibitor of GSK-3 $\beta$  and CDK5/p25.

Alsterpaullone induces apoptosis by activating caspase-8 and caspase-9, followed by disruption of the mitochondrial potential. It is cell-permeable.

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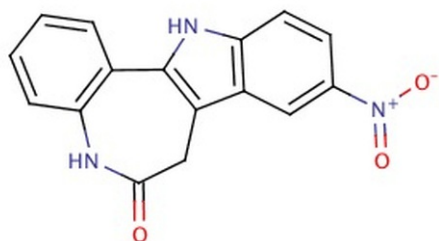
### References

1. Zaharevitz D.W., et al. (1999). *Cancer Research*. 59(11): 2566-2569.
2. Lahusen T., De Siervi A., Kunick C., & Senderowicz A.M. (2003) *Mol. Carcinogenesis*. 36(4): 183-194.
3. Schultz C., et al. (1999) *J. Med. Chem.* 42(15): 2909-2919.

## Product Images

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Chemical structure of Alsterpaullone (SIH-431), a GSK3 $\beta$  kinase inhibitor, CDK5/p25 inhibitor. CAS #: 237430-03-4. Molecular Formula: C<sub>16</sub>H<sub>11</sub>N<sub>3</sub>O<sub>3</sub>. Molecular Weight: 293.3 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.