



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Auranofin

IKK kinase inhibitor  
Catalog No. SIH-493



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Auranofin

### Description

IKK kinase inhibitor

### Purity

>98% (HPLC)

### CAS No.

34031-32-8

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>AuO<sub>15</sub>P<sub>5</sub>S

### Molecular Weight

678.5

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in DMSO (5 mg/ml) or 100% ethanol (4 mg/ml)

### Source

Synthetic

### Appearance

White solid

### SMILES

CCP(=[Au]S[C@H]1[C@@H]([C@H]([C@@H]([C@H](O1)COC(=O)C)OC(=O)C)OC(=O)C)OC(=O)C)CC

### InChI

InChI=1S/C14H20O9S.C6H15P.Au/c1-6(15)19-5-10-11(20-7(2)16)12(21-8(3)17)13(14(24)23-10)22-9(4)18;1-4-7(5-2)6-3;/h10-14,24H,5H2,1-

4H3;4-6H2,1-3H3;/q;;+1/p-1

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### InChIKey

AUJRCFUBUPVWSZ-UHFFFAOYSA-M

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### Safety Phrases

Classification:

Acute toxicity, Oral (Category 3), H301

Reproductive toxicity (Category 2), H361

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:

H301 Toxic if swallowed.

H361 Suspected of damaging fertility or the unborn child.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P281 Use personal protective equipment as required.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

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

P330 Rinse mouth.

P405 Store locked up.

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

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### Cite This Product

Auranofin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-493)

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## Biological Description

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### Alternative Names

1-Thio- $\beta$ -D-glucopyranosatotriethylphosphine gold-2,3,4,6-tetraacetate, 3,4,5-Triacetyloxy-6-(acetyloxymethyl) oxane-2-thiolate triethylphosphanium, SKF 39162

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### Research Areas

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

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### PubChem ID

24199313

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### Scientific Background

Auranofin is derivative of gold and has been widely used as an anti-arthritis drug. It inhibits both leukocyte activation pathways at multiple sites and the release of inflammatory mediators from human macrophages, basophils, and pulmonary mast cells. Auranofin has been shown to inhibit human neutrophil 5-lipoxygenase, thioredoxin reductase (TrxR), I $\kappa$ B kinase (IKK).

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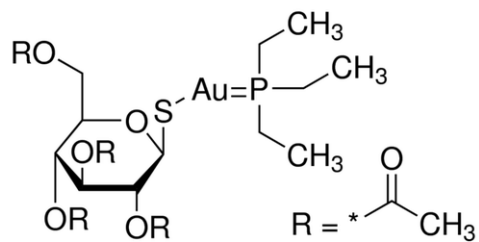
### References

1. Betts W.H., Hurst N.P., Murphy G.A., & Cleland L.G. (1990) *Biochem. Pharm.* 39(7): 1233-1237.
  2. Rudkowski R., Ziegler J.B., Graham G.G., & Champion G.D. (1991) *Biochem. Pharm.* 41(12): 1921-1929.
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## Product Images

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Chemical structure of Auranofin (SIH-493), a IKK kinase inhibitor. CAS #: 34031-32-8.  
Molecular Formula: C<sub>20</sub>H<sub>34</sub>AuO<sub>9</sub>PS. Molecular Weight: 678.5 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.