



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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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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# Hinokitiol

Iron Chelator antioxidant  
Catalog No. SIH-151



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Hinokitiol

### Description

Iron Chelator antioxidant

### Purity

>98%

### CAS No.

499-44-5

### Molecular Formula

C<sub>11</sub>H<sub>10</sub>O<sub>2</sub>, C<sub>11</sub>H<sub>10</sub>O

### Molecular Weight

164.2, 165.2

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Antioxidant

### Solubility

Soluble in DMSO or ethanol (25 mg/ml)

### Source

Synthetic

### Appearance

White Solid

### SMILES

CC(C)C1=CC=CC(=O)C(=C1)O

### InChI

InChI=1S/C10H12O2/c1-7(2)8-4-3-5-9(11)10(12)6-8/h3-7H,1-2H3,(H,11,12)

## InChIKey

FUWUEFKEXZQKKA-UHFFFAOYSA-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

Hazard Phrases:

H302

## Cite This Product

Hinokitiol (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-151)

## Biological Description

### Alternative Names

2-Hydroxy-4-isopropyl-2,4,6-cycloheptatrien-1-one

### Research Areas

Cancer, Oxidative Stress

### PubChem ID

3611

### Scientific Background

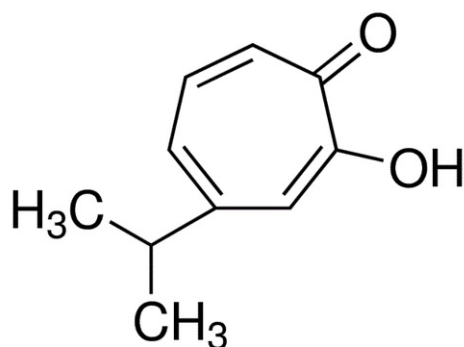
Hinokitiol is a natural monoterpenoid. It is a potent metal chelator that induces differentiation and apoptosis in teratocarcinoma F9 cells (1), mediated by activation of caspase-3 (2). It also inhibits tyrosinase most likely via metal chelation (3).

### References

1. Tanaka T., et al. (1999) Cell Biol Int. 23(8): 541-550.
2. Ido Y., et al. (1999) Cell Prolif. 32(1): 63-73
3. Kim D.S., et al. (2004) Arch Pharm Res. 27(3): 334-339.

## Product Images

Chemical structure of Hinokitiol (SIH-151), a Iron Chelator antioxidant. CAS #: 499-44-6. Molecular Formula: C<sub>10</sub>H<sub>12</sub>O<sub>3</sub>. Molecular Weight: 165.2 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.