



# 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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## Nutlin-3

p53/mdm2 inhibitor  
Catalog No. SIH-344



Discovery through partnership | Excellence through quality

### Overview

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#### Product Name

Nutlin-3

#### Description

p53/mdm2 inhibitor

#### Purity

>98%

#### CAS No.

548472-68-0

#### Molecular Formula

C<sub>11</sub>H<sub>11</sub>Cl<sub>2</sub>N<sub>2</sub>O

#### Molecular Weight

581.9

### Properties

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#### Storage Temperature

-20°C

#### Shipping Temperature

Shipped Ambient

#### Product Type

Inhibitor

#### Solubility

Soluble in 100 mM DMSO and Ethanol

#### Source

Synthetic

#### Appearance

Yellow solid

#### SMILES

CC(C)OC1=C(C=CC(=C1)OC)C2=N[C@H]([C@H](N2C(=O)N3CCNC(=O)C3)C4=CC=C(C=C4)Cl)C5=CC=C(C=C5)Cl

#### InChI

InChI=1S/C30H30Cl2N4O4/c1-18(2)40-25-16-23(39-3)12-13-24(25)29-34-27(19-4-8-21(31)9-5-19)28(20-6-10-22(32)11-7-20)36(29)30(38)

35-15-14-33-26(37)17-35/h4-13,16,18,27-28H,14-15,17H2,1-3H3,(H,33,37)

## InChIKey

BDUHCSBCVGXTJM-UHFFFAOYSA-N

## Safety Phrases

Classification: Caution Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

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

S24/25- Avoid contact with skin and eyes

## Cite This Product

Nutlin-3 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-344)

## Biological Description

### Alternative Names

(±)-4-[4,5-Bis(4-chlorophenyl)-2-(2-isopropoxy-4-methoxy-phenyl)-4,5-dihydro-imidazole-1-carbonyl]-piperazin-2-one

### Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, p53/mdm2 Inhibitors

### PubChem ID

216345

### Scientific Background

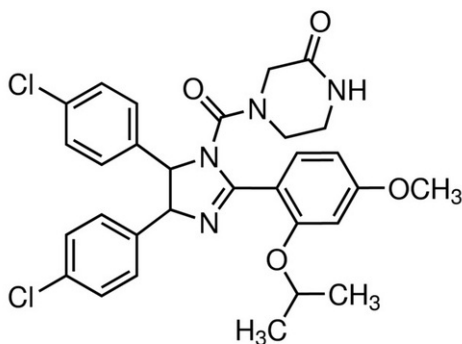
MDM2 antagonist; inhibits the MDM2-p53 interaction (IC<sub>50</sub> = 0.09 μM) and activates p53. Antiproliferative agent; induces apoptosis in cancer cells.

### References

1. Vassilev et al (2004) Science 303: 844.

## Product Images

Chemical structure of Nutlin-3 (SIH-344), a p53/mdm2 inhibitor. CAS #: 548472-68-0. Molecular Formula: C<sub>30</sub>H<sub>30</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>4</sub>. Molecular Weight: 581.9 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.