



# 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) 

LDN-57444

DUB inhibitor  
Catalog No. SIH-332



Discovery through partnership | Excellence through quality

## Overview

---

### Product Name

LDN-57444

### Description

DUB inhibitor

### Purity

>98%

### CAS No.

668467-91-2

### Molecular Formula

C11H11ClN2O

### Molecular Weight

397.6

## Properties

---

### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in 20 mg/ml DMSO

### Source

Synthetic

### Appearance

Yellow Powder

### SMILES

CC(=O)O/N=C1/C2=C(C=CC(=C2)Cl)N(C1=O)CC3=C(C=CC(=C3)Cl)Cl

### InChI

InChI=1S/C17H11Cl3N2O3/c1-9(23)25-21-16-13-7-12(19)3-5-15(13)22(17(16)24)8-10-6-11(18)2-4-14(10)20/h2-7H,8H2,1H3/b21-16-

---

**InChIKey**

OPQRFPHLZZPCCH-PGMHBOJBSA-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

Hazard Statements:

H302 Harmful if swallowed

H317 May cause an allergic skin reaction

Precautionary Statements:

P280 Wear protective gloves.

---

**Cite This Product**

LDN-57444 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-332)

---

**Biological Description**

---

**Alternative Names**

3-(O-acetyloxime), 5-chloro-1-[(2,5-dichlorophenyl)methyl]-1H-Indole-2,3-dione, C30, LDN 57444

---

**Research Areas**

Cancer, Apoptosis

---

**PubChem ID**

16760696

---

**Scientific Background**

Inhibits ubiquitin C-terminal hydrolase (UCH-L1) ( $K_i=0.4 \mu\text{M}$ ). Decreases proteasome activity and increases levels of ubiquitinated proteins. Induces apoptosis. Causes dramatic alterations in synaptic protein distribution and spine morphology in vivo. Cell permeable.

---

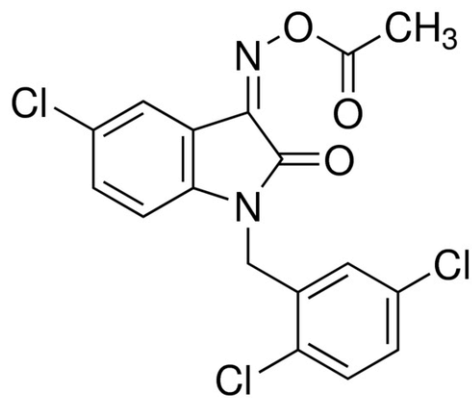
**References**

1. Liu Y., et al. (2003) Chem. Biol. 10: 837.
  2. Tan Y.Y., et al. (2008) Mol. Cell. Biochem. 318: 109.
  3. Cartier A.E., et al. (2009) J. Neurosci. 29: 7857.
- 

**Product Images**

---

Chemical structure of LDN-57444 (SIH-332), a DUB inhibitor. CAS #: 668467-91-2.  
Molecular Formula: C<sub>17</sub>H<sub>11</sub>Cl<sub>3</sub>N<sub>2</sub>O<sub>3</sub>. Molecular Weight: 397.6 g/mol.



## Product Citations (0)

---

Currently there are no citations for this product.

## Reviews

---

There are no reviews yet.