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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

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

Trichostatin A

HDAC inhibitor
Catalog No. SIH-254



Discovery through partnership | Excellence through quality

Overview

Product Name

Trichostatin A

Description

HDAC inhibitor

Purity

>98%

CAS No.

58880-19-6

Molecular Formula

C₁₇H₂₂N₂O₃

Molecular Weight

302.37

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 10 mM in ethanol and to 50 mM in DMSO

Source

Synthetic

Appearance

Beige Solid

SMILES

C[C@H](/C=C(C)/C=C/C(=O)NO)C(=O)C1=CC=C(C=C1)N(C)C

InChI

InChI=1S/C17H22N2O3/c1-12(5-10-16(20)18-22)11-13(2)17(21)14-6-8-15(9-7-14)19(3)4/h5-11,13,22H,1-4H3,(H,18,20)/b10-5+,12-11+

InChIKey

RTKIYFITIVXBLE-WKWSCTOISA-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

Risk Phrases:

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

R68 - Possible risk of irreversible effects

Hazard Phrases:

H302-H312-H315-H317-H319-H332-H335

Precautionary Phrases:

P261-P280-P305 + P351 + P338

Cite This Product

Trichostatin A (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-254)

Biological Description

Alternative Names

(2E,4E,6R)-7-[4-(Dimethylamino)phenyl]-N-hydroxy-4,6-dimethyl-7-oxo-2,4-heptadienamide

Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, HDAC Inhibitors

PubChem ID

444732

Scientific Background

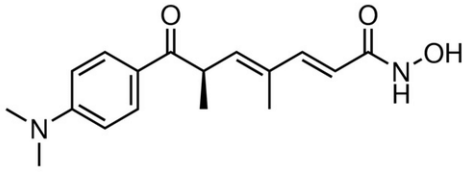
Trichostatin A is an antifungal and selectively inhibits the class I and II mammalian histone deacetylase families of enzymes (1). TSA inhibits the eukaryotic cell cycle during the beginning of the growth stage. It can be used to alter gene expression but interfering with the removal of acetyl groups thereby altering the ability of DNA transcription factors to access the DNA inside chromatin (2). It also has anti-cancer properties (3).

References

1. Vanhaecke T., Papeleu P., Elaut G., Rogiers V. (2004) *Curr Med Chem.* 11(12): 1629-1643.
 2. Yoshida, et al. (1990) *J Biol Chem.* 165: 17174.
 3. Drummond D.C., et al. (2005) *Annu Rev Pharmacol Toxicol.* 45: 495-528.
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Product Images

Chemical structure of Trichostatin A (SIH-254), a Histone deacetylase inhibitor. CAS #: 58880-19-6. Molecular Formula: C₁₇H₂₂N₂O₃. Molecular Weight: 302.37 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.