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Zuschläge

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Triacsin C

Acyl-CoA synthetase inhibitor
Catalog No. SIH-203



Discovery through partnership | Excellence through quality

Overview

Product Name

Triacsin C

Description

Acyl-CoA synthetase inhibitor

Purity

>98%

CAS No.

76896-80-5

Molecular Formula

C₁₁H₁₇N₃O

Molecular Weight

207.27

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (25 mg/ml) or methanol (5 mg/ml)

Source

Synthetic

Appearance

Oil dissolved in DMSO (1mg/ml)

SMILES

CCC/C=C/C/C=C/C=C/C=N/NN=O

InChI

InChI=1S/C11H17N3O/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15/h4-5,7-11H,2-3,6H2,1H3,(H,13,15)/b5-4+,8-7+,10-9+,12-11+

InChIKey

NKTGCVUIESDXPU-YLEPRARLSA-N

Safety Phrases

Classification: Harmful. May be harmful if inhaled, swallowed or absorbed through skin.

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

Cite This Product

Triacsin C (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-203)

Biological Description

Alternative Names

(3E)-1-Oxo-3-[(2E,4E,7E)-2,4,7-undecatrien-1-ylidene]triazane

Research Areas

Cancer, Apoptosis

PubChem ID

9576787

Scientific Background

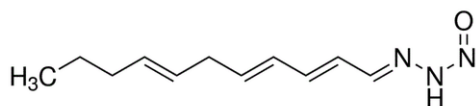
Triacsin C is a potent inhibitor of long fatty acyl CoA synthetase. It blocks beta-cell apoptosis. It also blocks the de novo synthesis of triglycerides, diglycerides and cholesterol esters, interfering with lipid metabolism (1). It is also a potent vasodilator.

References

1. Igal R.A., Wang P., Coleman R.A. (1997) Biochem J. 324(Pt2): 529-534.

Product Images

Chemical structure of Triacsin C (SIH-203), a Fatty acyl-CoA synthase inhibitor. CAS #: 76896-80-5. Molecular Formula: C₁₁H₁₇N₃O . Molecular Weight: 207.27 g/mol.

**Product Citations (1)**

Other Citations

Eicosapentaenoic Acid Prevents Saturated Fatty Acid-Induced Vascular Endothelial Dysfunction: Involvement of Long-Chain Acyl-CoA Synthetase.

Ishida, T. et al. -2015 J Atheroscler Thromb. [Epub ahead of print].

PubMed ID: 26016511 **Applications:** In vitro inhibition

Reviews

There are no reviews yet.