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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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LH 846

Casein kinase 1d inhibitor
Catalog No. SIH-503



Discovery through partnership | Excellence through quality

Overview

Product Name

LH 846

Description

Casein kinase 1d inhibitor

Purity

>98% (HPLC)

CAS No.

639052-78-1

Molecular Formula

C11H11ClN2O5

Molecular Weight

316.8

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 100 mM in DMSO

Source

Synthetic

Appearance

White to beige powder

SMILES

CC1=CC2=C(C=C1Cl)N=C(S2)NC(=O)CC3=CC=CC=C3

InChI

InChI=1S/C16H13ClN2O5/c1-10-7-14-13(9-12(10)17)18-16(21-14)19-15(20)8-11-5-3-2-4-6-11/h2-7,9H,8H2,1H3,(H,18,19,20)

InChIKey

DYHAMRNAHTWYKY-UHFFFAOYSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 4)

Chronic aquatic toxicity(Category 4)

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 statements:

H302 Harmful if swallowed.

H413 May cause long lasting harmful effects to aquatic life.

Cite This Product

LH 846 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-503)

Biological Description

Alternative Names

LH846, LH-846, N-(5-Chloro-6-methyl-2-benzothiazolyl)benzeneacetamide

Research Areas

Cell Signaling

PubChem ID

851474

Scientific Background

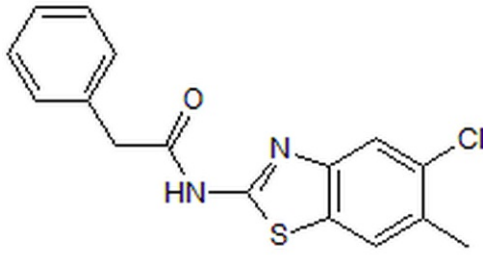
LH 846 is a potent and selective inhibitor of Casein Kinase CK1?. Specifically, it inhibits CK1?-dependent phosphorylation and degradation of PER1 protein. CK1? is a known regulator of circadian rhythm.

References

1. Lee J.W., et al. (2011) Angewandte Chemie. 50(45): 1060810611.

Product Images

Chemical structure of LH 846 (SIH-503), a Casein kinase 1d inhibitor. CAS #: 639052-78-1. Molecular Formula: C₁₆H₁₃ClN₂OS. Molecular Weight: 316.8 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.