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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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C16

PKR kinase inhibitor
Catalog No. SIH-498



Discovery through partnership | Excellence through quality

Overview

Product Name

C16

Description

PKR kinase inhibitor

Purity

>98% (HPLC)

CAS No.

608512-97-6

Molecular Formula

C11H11N5O

Molecular Weight

268.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO 12 mg/ml

Source

Synthetic

Appearance

Solid

SMILES

C1=CC2=C(C3=C1NC(=O)/C3=CC4=CNC=N4)SC=N2

InChI

InChI=1S/C13H8N4O5/c18-13-8(3-7-4-14-5-15-7)11-9(17-13)1-2-10-12(11)19-6-16-10/h1-6H,(H,14,15)(H,17,18)/b8-3+

InChIKey

VFBGXTUGODTSPK-FPYGCLRLSA-N

Safety Phrases

Classification:

Chronic aquatic toxicity (Category 4), H413

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:

H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements:

P273 Avoid release to the environment.

P501 Dispose of contents/ container to an approved waste disposal plant.

Cite This Product

C16 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-498)

Biological Description

Alternative Names

Imidazolo-oxindole PKR inhibitor C16, 6,8-Dihydro-8-(1H-imidazol-5-ylmethylene)-7H-pyrrolo[2,3-g]benzothiazol-7-one

Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, Cell Signaling, Tyrosine Kinase Inhibitors

PubChem ID

67016828

Scientific Background

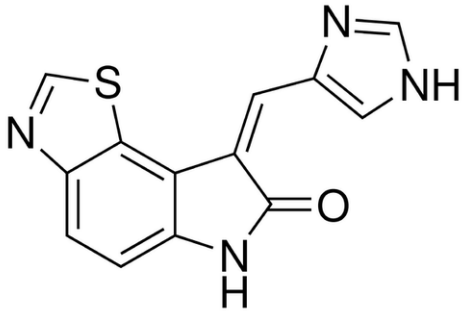
C16 is a derivative of imidazolo-oxindole and inhibits RNA-dependent protein kinases (PKR). Its inhibition effect on PKR is ATP-binding site directed. C16 has been shown to specifically inhibit the apoptotic PKR/eIF2a signaling pathway.

References

1. Couturier J., et al. (2010) J. Biol. Chem. 285(2): 12721282.
 2. Jammi N.V., Whitby L.R., & Beal P.A. (2003) Biochem. Biophys. Res. Comm. 308(1):5057.
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Product Images

Chemical structure of C16 (SIH-498), a PKR kinase inhibitor. CAS #: 608512-97-6.
Molecular Formula: C₁₃H₈N₄O₅. Molecular Weight: 268.3 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.