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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

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6BIO

PDK1 kinase inhibitor
Catalog No. SIH-422



Discovery through partnership | Excellence through quality

Overview

Product Name

6BIO

Description

PDK1 kinase inhibitor

Purity

>98% (HPLC)

CAS No.

667463-62-9

Molecular Formula

C₁₁H₁₁BrNO₁

Molecular Weight

356.2

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

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

Source

Synthetic

Appearance

Dark red solid

SMILES

C1=CC=C2C(=C1)/C(=NO)/C(=C/3C4=C(C=C(C=C4)Br)NC3=O)/N2

InChI

InChI=1S/C16H10BrN3O2/c17-8-5-6-9-12(7-8)19-16(21)13(9)15-14(20-22)10-3-1-2-4-11(10)18-15/h1-7,20,22H,(H,19,21)/b15-13+

InChIKey

WNWSUJQVZJJGLF-FYWRMAATSA-N

Safety Phrases

Classification:

Skin irritation (Category 2), H315 Eye irritation (Category 2A), H319 Specific target organ toxicity-single exposure (Category 3), Respiratory system, H335

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:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

Cite This Product

6BIO (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-422)

Biological Description

Alternative Names

(2Z,3E)-6-Bromoindirubin-3'-oxime, 6-BIO, 6BIO, (3Z)-6-Bromo-3-[(3E)-3-(hydroxyimino)-1,3-dihydro-2H-indol-2-ylidene]-1,3-dihydro-2H-indol-2-one

Research Areas

Cell Signaling

PubChem ID

11405589

Scientific Background

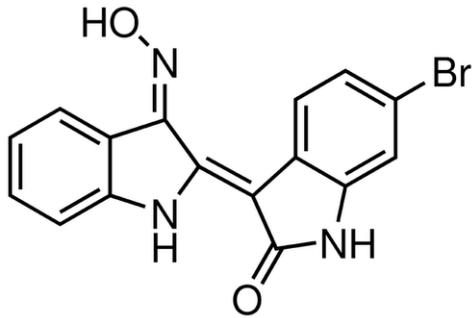
6BIO is an inhibitor of phosphoinositide-dependent kinase 1 (PDK1), and a potent, reversible and ATP-competitive inhibitor of glycogen synthase kinase-3 β (GSK-3 β). It maintains self-renewal and pluripotency in embryonic stem cells via activation of the Wnt signaling pathway.

References

1. Valerio A., et al. (2011) J. Neurochem. 116(6): 11481159.
 2. Yasuhara R., et al. (2010) J. Biol. Chem. 285(1): 317327.
 3. Meijer L., et al. (2003) Chem. & Bio. 10(12): 12551266.
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Product Images

Chemical structure of 6BIO (SIH-422), a ESC self-renewal. CAS #: 667463-62-9.
Molecular Formula: C₁₆H₁₀BrN₃O₂. Molecular Weight: 356.2 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.