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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CHIR99021

GSK3 β kinase inhibitor
Catalog No. SIH-437



Discovery through partnership | Excellence through quality

Overview

Product Name

CHIR99021

Description

GSK3 β kinase inhibitor

Purity

>98% (HPLC)

CAS No.

252917-06-9

Molecular Formula

C₁₁H₁₁Cl₂N₃

Molecular Weight

465.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 20 mM in DMSO

Source

Synthetic

Appearance

White to light brown solid

SMILES

CC1=CNC(=N1)C2=CN=C(N=C2C3=C(C=C(C=C3)Cl)Cl)NCCNC4=NC=C(C=C4)C#N

InChI

InChI=1S/C22H18Cl2N8/c1-13-10-29-21(31-13)17-12-30-22(32-20(17)16-4-3-15(23)8-18(16)24)27-7-6-26-19-5-2-14(9-25)11-28-19/h2-5,8

,10-12H,6-7H2,1H3,(H,26,28)(H,29,31)(H,27,30,32)

InChIKey

AQGNHMOJWBZFQQ-UHFFFAOYSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 2), H300

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:

H300 Fatal if swallowed.

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.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well - ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. 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).

P330 Rinse mouth.

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

CHIR99021 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-437)

Biological Description

Alternative Names

CT99021 , 6-[[2-[[4-(2,4-Dichlorophenyl)-5-(5-methyl-1H-imidazol-2-yl)-2-pyrimidinyl]amino]ethyl]amino]-3-pyridinecarbonitrile

Research Areas

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

PubChem ID

9956119

Scientific Background

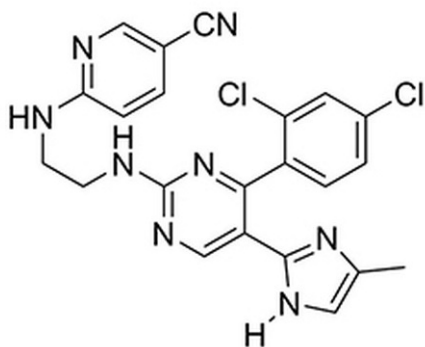
CHIR99021 is a potent and highly selective glycogen synthase kinase 3 (GSK-3) inhibitor. It also promotes self-renewal of mouse and human ESC due to β -catenin and c-Myc protein level stabilization.

References

1. Ye S., et al. (2012) PloS One 7(4): e35892.
 2. Ring D. B., et al. (2003). Diabetes. 52(3): 588595.
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Product Images

Chemical structure of CHIR99021 (SIH-437), a GSK3 β kinase inhibitor. CAS #: 252917-06-9. Molecular Formula: C₂₂H₁₈Cl₂N₈. Molecular Weight: 465.3 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.