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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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LY364947

ALK5 kinase inhibitor
Catalog No. SIH-504



Discovery through partnership | Excellence through quality

Overview

Product Name

LY364947

Description

ALK5 kinase inhibitor

Purity

>98% (HPLC)

CAS No.

396129-53-6

Molecular Formula

C11H11N1

Molecular Weight

272.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 100 mM in DMSO

Source

Synthetic

Appearance

Yellow to brown solid

SMILES

C1=CC=C2C(=C1)C(=CC=N2)C3=CC=CC=C3

InChI

InChI=1S/C17H12N4/c1-2-6-15-13(5-1)12(8-10-19-15)14-11-20-21-17(14)16-7-3-4-9-18-16/h1-11H,(H,20,21)

InChIKey

IBCXZJCWDGXCQT-UHFFFAOYSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 3), H301
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Specific target organ toxicity -single exposure (Category 3), Respiratory system, H335
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

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:

H301 Toxic if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H410 Very toxic to aquatic life with long lasting effects.

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.
P273 Avoid release to the environment.
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.
P391 Collect spillage.
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

LY364947 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-504)

Biological Description

Alternative Names

LY 364947, HTS 466284, ALK5 Inhibitor I, 4-[3-(2-pyridinyl)-1H-pyrazol-4-yl]-quinoline, HTS 466284, Transforming Growth Factor-? Type I Receptor Kinase Inhibitor

Research Areas

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

PubChem ID

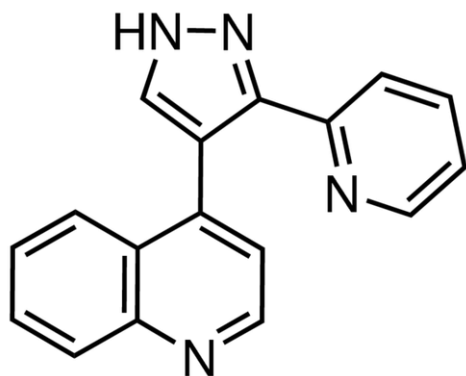
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Scientific Background

LY364947 is a potent and selective inhibitor of TGF- β type-1 receptor kinase. Specifically, it inhibits TGF- β signaling and gene transcription. LY364947 is cell permeable and ATP-competitive.

References

1. Vogt J., Traynor R., & Sapkota G.P. (2011) Cell. Signal. 23(11): 18311842.

Product Images

Chemical structure of LY364947 (SIH-504), a ALK5 kinase inhibitor. CAS #: 396129-53-6. Molecular Formula: C₁₇H₁₂N₄. Molecular Weight: 272.3 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.