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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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KNK
437



Discovery through Partnership | Excellence through Quality

HSP70 Inhibitor
Catalog No. SIH-599

Product Name

KNK 437

Description

HSP70 Inhibitor

Purity

>98% (HPLC); NMR (conforms)

CAS No.

218924-25-5

Molecular Formula

$C_{13}H_{11}NO_4$

Molecular Weight

245.2

Field Of Use

Not for use in humans. Not for use in diagnostics or therapeutics. For in vitro research use only.

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

May be dissolved in DMSO (30 mg/ml)

Source

Synthetic

Appearance

Off-white powder

SMILES

C1CN(C(=O)C1=CC2=CC3=C(C=C2)OCO3)C=O

InChI

InChI=1S/C13H11NO4/c15-7-14-4-3-10(13(14)16)5-9-1-2-11-12(6-9)18-8-17-11/h1-2,5-7H,3-4,8H2/b10-5+

InChIKey

LZGGUFLRKIMBDQ-BJMVGYQFSA-N

Safety Phrases

Classification: Caution: Substance not yet fully tested.

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

Cite This Product

KNK 437 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-599)

Biological Description

Alternative Names

3-(1,3-Benzodioxol-5-ylmethylene)-2-oxo-1-pyrrolidinecarboxaldehyde

Research Areas

Cancer, Heat Shock

PubChem ID

46195007

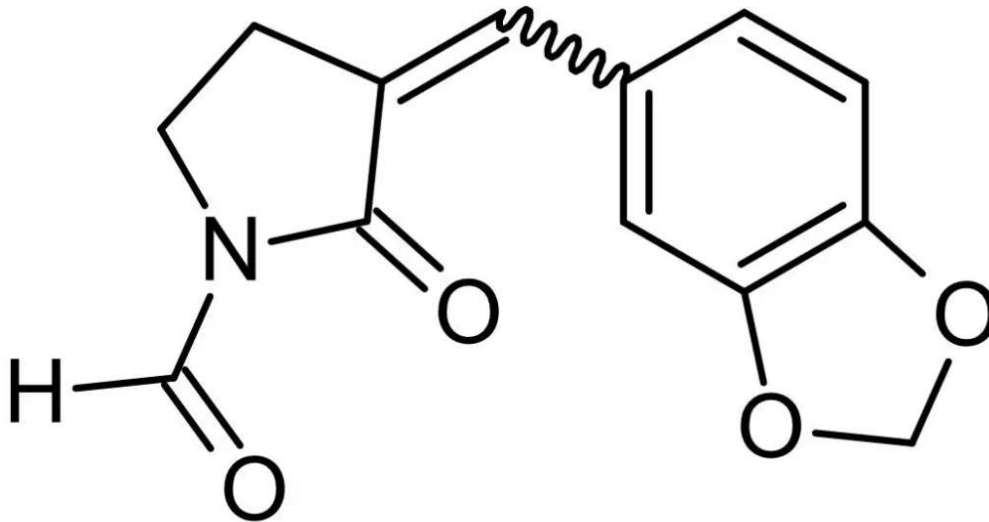
Scientific Background

KNK 437 is an inhibitor of the acquisition of thermotolerance caused by the induction of HSPs, including HSP105, HSP70, and HSP40 in human colon carcinoma cells (1). It has also been tested in anti-tumor therapy of colorectal cancer (2).

References

1. Yokota S., Kitahara M., and Nagata K. (2000) *Cancer Res.* 60 (11): 2942-2948.
2. Yang S., et al. (2020) *Oncogene.* 39: 249-261.

Product Images



Chemical structure of KNK 437 (SIH-599), a HSP70 Inhibitor. CAS #: 218924-25-5. Molecular Formula: C₁₃H₁₁NO₄. Molecular Weight: 245.2 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.

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