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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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YM-08

Hsp70 Inhibitor
Catalog No. SIH-122



Discovery through partnership | Excellence through quality

Overview

Product Name

YM-08

Description

Hsp70 Inhibitor

Purity

>99% (HPLC)

Molecular Formula

C11H11N1O5

Molecular Weight

367.49

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO

Source

Synthetic

Appearance

Yellow-orange solid

SMILES

O=C2C(SC(=Cc1ncccc1)N2CC)=C3Sc4cccc4N3C

Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

Cite This Product

YM-08 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-122)

Biological Description

Alternative Names

(2Z,5E)-3-ethyl-5-(3-methyl-1,3-benzothiazol-2-ylidene)-2-(pyridin-2-ylmethylidene)-1,3-thiazolidin-4-one, YM8, YM08

Research Areas

Cancer, Heat Shock

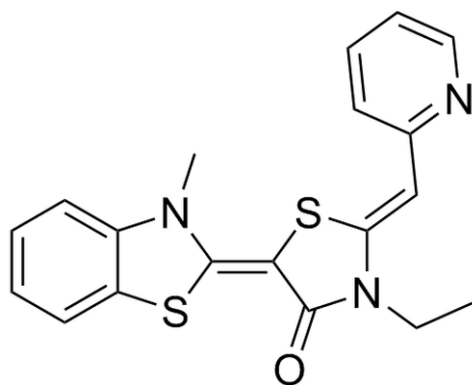
Scientific Background

YM-08 is a Heat Shock Protein 70 (Hsp70) inhibitor that is blood-brain barrier permeable. YM-08 is a neutral derivative of the Hsp70 inhibitor MKT-077. MKT-077 reduces tau levels in cellular models, but it doesn't penetrate the blood brain barrier. Although YM-08 was somewhat less effective than MKT-077 in anti-tau and anticancer assays, it selectively reduced pathogenic tau in brain slices, which MKT-077 did not. Furthermore, YM-08 was not retained in the kidney leading one to speculate that it would not have the nephrotoxicity that was a problem for MKT-077 in clinical trials. Looking for more information on HSP70? Visit our new HSP70 Scientific Resource Guide at <http://www.HSP70.com>.

References

1. Miyata, Y. et al. 2013 ACS Chemical Neuroscience Jun 19;4(6):930-9. doi: 10.1021/cn300210g

Product Images



Chemical structure of YM-08 (SIH-122), a Hsp70 Inhibitor. CAS #: N/A. Molecular Formula: C₁₉H₁₇N₃O₂S₂. Molecular Weight: 367.49 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.