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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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C-646

HAT inhibitor
Catalog No. SIH-350



Discovery through partnership | Excellence through quality

Overview

Product Name

C-646

Description

HAT inhibitor

Purity

>98% (TLC); NMR (Conforms)

CAS No.

328968-36-1

Molecular Formula

C₁₁H₁₁N₁O₁

Molecular Weight

445.4

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in 10 mg/ml DMSO

Source

Synthetic

Appearance

Orange Solid

SMILES

CC1=CC(=C(C=C1C)[N+](=O)[O-])C2=CC=C(O2)/C=C/3C(=NN(C3=O)C4=CC=C(C=C4)C(=O)O)C

InChI

InChI=1S/C24H19N3O6/c1-13-10-20(21(27(31)32)11-14(13)2)22-9-8-18(33-22)12-19-15(3)25-26(23(19)28)17-6-4-16(5-7-17)24(29)30/h4-1

2H,1-3H3,(H,29,30)/b19-12+

InChIKey

HEKJYZZSCQBJGB-XDHOZWIPSA-N

Safety Phrases

Classification: Caution Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S24/25- Avoid contact with skin and eyes

Cite This Product

C-646 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-350)

Biological Description

Alternative Names

4-[4-[[5-(4,5-Dimethyl-2-nitrophenyl)-2-furanyl]methylene]-4,5-dihydro-3-methyl-5-oxo-1Hpyrazol-1-yl]benzoic acid

Research Areas

Cell Signaling, Epigenetics

PubChem ID

1285940

Scientific Background

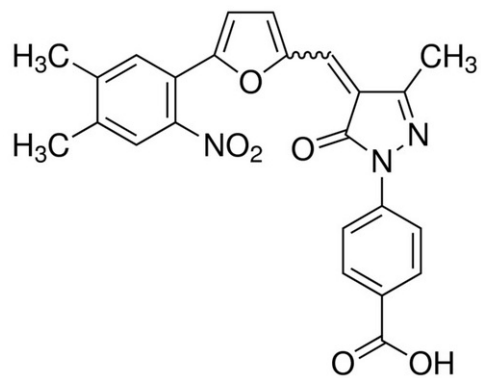
Potent and selective inhibitor of the histone acetyl transferase p300/CBP (Ki=400 nM). Induces apoptosis in prostate cancer cells. Enhances fear extinction memory and synaptic plasticity in mice. Promotes tau deacetylation reducing levels of pathogenic p-tau. Cell permeable.

References

1. Bowers E.M., et al. (2010) Chem. Biol. 17: 471.
 2. Santer F.R., et al. (2011) Mol. Cancer Ther. 10: 1644.
 3. Marek R., et al. (2011) J. Neurosci. 31: 7486.
 4. Min S.W., et al. (2010) Neuron 67: 953.
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Product Images

Chemical structure of C-646 (SIH-350), a HAT inhibitor. CAS #: 328968-36-1.
Molecular Formula: C₂₄H₁₉N₃O₆. Molecular Weight: 445.4 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.