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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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C-Dim 12

Powered by Bioz

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Displays neuroprotective activity in a mouse model of progressive neurodegeneration
Catalog No. SIH-616



Discovery through Partnership | Excellence through Quality

Product Name

C-Dim 12

Description

Displays neuroprotective activity in a mouse model of progressive neurodegeneration

Purity

>98% (TLC); NMR (Conforms)

CAS No.

178946-89-9

Molecular Formula

 $C_{23}H_{17}ClN_2$

Molecular Weight

356.9

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

Activator

Solubility

May be dissolved in DMSO (35 mg/ml); or ethanol (35 mg/ml)

Source

Synthetic

Appearance

Orange powder

SMILES

C1C(C=C1)=CC=C1C(C2=CNC3=C2C=CC=C3)C4=CNC5=C4C=CC=C5

InChI

1S/C23H17ClN2/c24-16-11-9-15(10-12-16)23(19-13-25-21-7-3-1-5-17(19)21)20-14-26-22-8-4-2-6-18(20)22/h1-14,23,25-26H

InChIKey

LTLRXTDMXOFBDW-UHFFFAOYSA-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-Dim 12 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-616)

Biological Description

Alternative Names

3,3'-[(4-Chlorophenyl)methylene]bis[1H-indole]

Research Areas

Cell Signaling, Epigenetics and Nuclear Signaling, Neurodegeneration, Neuroscience, NFkB Pathway, Nuclear Signaling Pathways

PubChem ID

5302583

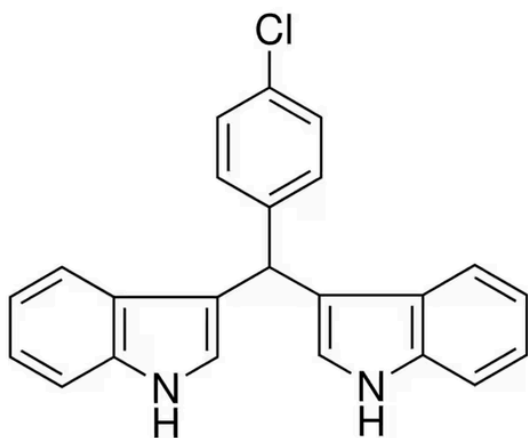
Scientific Background

C-DIM 12 is a nurr1 activator that inhibits bladder cancer growth (1,2). It also inhibits NF-κB and cytokine expression in microglial cells by stabilizing nuclear corepressor proteins, which reduces binding of p65 to inflammatory gene promoters (3). It displays neuroprotective activity in a mouse Parkinson's disease models (4).

References

1. Inamoto T., et al. (2008) Mol. Cancer Ther. 7:3825
2. Li X., et al. (2012) Biochem. Pharmacol. 83:1445
3. De Miranda B.R., et al. (2015) Mol. Pharmacol. 87:1021
4. De Miranda B.R., et al. (2013) J. Pharmacol. Exp. Ther. 345:125

Product Images



Chemical structure of C-Dim 12 (SIH-616), a Displays neuroprotective activity in a mouse model of progressive neurodegeneration. CAS #: 178946-89-9. Molecular Formula: C₂₃H₁₇ClN₂. Molecular Weight: 356.9 g/mol.

Product Citations

Reviews

There are no reviews yet.