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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Niclosamide

Autophagy inducer
Catalog No. SIH-406



Discovery through partnership | Excellence through quality

Overview

Product Name

Niclosamide

Description

Autophagy inducer

Purity

>98% (TLC); NMR (Conforms)

CAS No.

50-65-7

Molecular Formula

C₁₁H₁₁Cl₂N₂O₄

Molecular Weight

327.12

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

Soluble to 25 mM in ethanol and to 10 mM in DMSO

Source

Synthetic

Appearance

Pale yellow solid

SMILES

C2=C(C(NC1=C(C=C([N+](=O)[O-])C=C1)Cl)=O)C(=CC=C2Cl)O

InChI

InChI=1S/C13H8Cl2N2O4/c14-7-1-4-12(18)9(5-7)13(19)16-11-3-2-8(17(20)21)6-10(11)15/h1-6,18H,(H,16,19)

InChIKey

RJMUSRYZPJIFPJ-UHFFFAOYSA-N

Safety Phrases

Classification: Not WHMIS controlled.

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

Niclosamide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-406)

Biological Description

Alternative Names

5-Chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxybenzamide

Research Areas

Cancer, Autophagy

PubChem ID

4477

Scientific Background

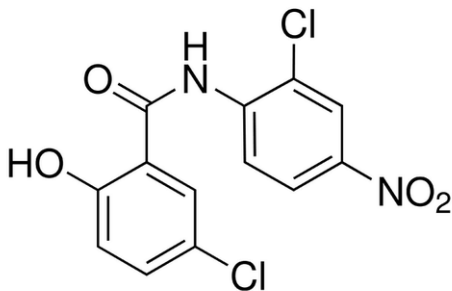
Niclosamide is part of the anthelmintics drug class, which are used to treat tapeworm infections in humans. Niclosamide has been shown to selectively inhibit the Stat-3 signalling pathway, specifically by inhibiting its activation, nuclear translocation and transcriptional activity. It has also been reported that Niclosamide inhibits mTORC1, thereby inducing autophagy and increasing the formation of autophagosomes.

References

1. Pan J.X., et al. (2012) Chin J Cancer. 31(4): 178-84.

Product Images

Chemical structure of Niclosamide (SIH-406), a Autophagy inducer. CAS #: 50-65-7.
Molecular Formula: C₁₃H₈Cl₂N₂O₄. Molecular Weight: 327.12 g/mol.

**Product Citations (0)**

Currently there are no citations for this product.

Reviews

There are no reviews yet.