Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Niclosamide (monohydrate)

Catalog No: tcsc2619

Available Sizes

Size: 5g

Size: 10g

Specifications

CAS No:
73360-56-2

Formula:
$C_{13}H_{10}Cl_2N_2O_5$

Pathway:
JAK/STAT Signaling;Stem Cell/Wnt

Target:
STAT;STAT

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
BAY2353 monohydrate

Observed Molecular Weight:
345.13

Product Description

Niclosamide monohydrate is an inhibitor of **STAT3** with **IC_{50}** of 0.25 μM in HeLa cells and inhibits DNA replication in a cell-free assay.

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IC50 & Target: IC50: 0.25 μM (STAT3)[1]

In Vitro: Niclosamide monohydrate is an inhibitor of STAT3, inhibits STAT3-mediated luciferase reporter activity with an IC_{50} of 0.25 μM in HeLa cells. Niclosamide (1 μM) inhibits the EGF-induced nuclear translocation of STAT3 in Du145 cells. Niclosamide ([1]. Niclosamide can block SARS-CoV replication at a micromolar concentration in Vero E6 cells infected with SARS-CoV[2]. Niclosamide ([3]. Niclosamide inhibits the TNF-induced NF-κB reporter activity in a dose- and time-dependent manner in U2OS cells. Niclosamide (125 nM) inhibits NF-κB activation induced by p65, IKKα, IKKβ, IKKγ, and TAK1 in U2OS cells. Niclosamide ([4].

In Vivo: Niclosamide (40 mg/kg/d, i.p.) suppresses growth of xenografted AML cells in nude mice bearing HL-60 xenograft tumors[4].