

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

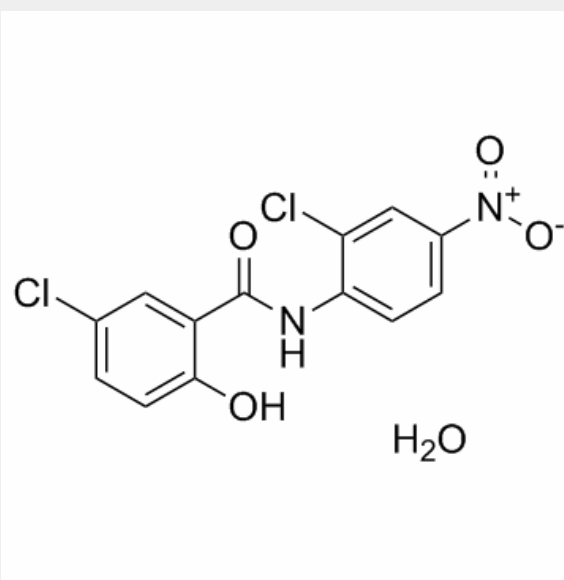
Product Description

Niclosamide monohydrate is an inhibitor of **STAT3** with **IC₅₀** of 0.25 μM in HeLa cells and inhibits DNA replication in a cell-free assay.

IC50 & Target: IC50: 0.25 μ M (STAT3)^[1]

In Vitro: Niclosamide monohydrate is an inhibitor of STAT3, inhibits STAT3-mediated luciferase reporter activity with an IC₅₀ of 0.25 μ M in HeLa cells. Niclosamide (1 μ M) 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- κ B reporter activity in a dose- and time-dependent manner in U2OS cells. Niclosamide (125 nM) inhibits NF- κ B activation induced by p65, IKK α , IKK β , IKK γ , 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].



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