

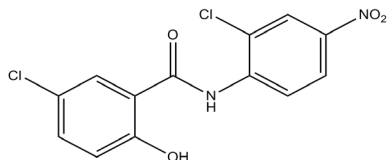
Niclosamide

ALTERNATE NAME: 5-Chloro-*N*-(2-chloro-4-nitrophenyl)-2-hydroxybenzamide

CATALOG #: 1826-100, 500

AMOUNT: 100 mg, 500 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₃H₈Cl₂N₂O₄

MOLECULAR WEIGHT: 327.12

CAS NUMBER: 50-65-7

APPEARANCE: Off-white to pale yellow solid

SOLUBILITY: DMSO (10 mM) or Ethanol (25 mM)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A STAT3 signaling pathway inhibitor. Niclosamide potently inhibits the activation and transcriptional function of STAT3 and induces cell growth inhibition, apoptosis, and cell cycle arrest of cancer cells with constitutively active STAT3. Also reversibly inhibits mTORC1 signaling and stimulates autophagy *in vitro*; displays antineoplastic effects in acute myelogenous leukemia (AML) stem cells. Niclosamide is a licensed antiparasitic drug identified in drug screening studies to inhibit SARS-CoV *in vitro*, presumably by interfering with host-regulated pathways.

REFERENCE: Ren, X., *et al.* (2010). *Med. Chem. Lett.* **1**, 454-459.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- CP-690550 (**Cat. No. 1622-5, 25**)
- Stat1 Antibody (**Cat. No. 3133R-100**)
- Stat2 Antibody (**Cat. No. 3468R-100**)
- Phospho-Stat2 Antibody (**Cat. No. 3469-1000**)
- Stat3 Antibody (**Cat. No. 3470R-100**)
- Phospho-Stat3 Antibody (**Cat. No. 3474-100**)
- Stat3 Activation Inhibitor, SPI (**Cat. No. 1813-2**)
- Stat3 Inhibitor I, S3I-201 (**Cat. No. 1775-5, 25**)
- Stat3 Peptide Inhibitor, Cell-Permeable (**Cat. No. 1778-1,5**)
- Stat4 Antibody (**Cat. No. 3471R-100**)
- Stat5 Antibody (**Cat. No. 3472-100**)
- Phospho-Stat5 Antibody (**Cat. No. 3475-100**)
- Stat6 Antibody (**Cat. No. 3473R-100**)
- Phospho-Stat6 Antibody (**Cat. No. 3476-100**)
- Tyrphostin AG 490 (**Cat. No. 1570-5**)

FOR RESEARCH USE ONLY! Not to be used on humans.