



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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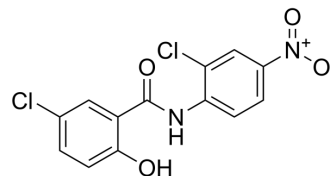
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## Niclosamide (Standard)

Cat. No.:	HY-B0497R
CAS No.:	50-65-7
Molecular Formula:	C <sub>13</sub> H <sub>8</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	327.12
Target:	Parasite; STAT; Antibiotic
Pathway:	Anti-infection; JAK/STAT Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Niclosamide (Standard) is the analytical standard of Niclosamide. This product is intended for research and analytical applications. Niclosamide (BAY2353) is an orally active antihelminthic agent used in parasitic infection research<sup>[1]</sup>. Niclosamide is a STAT3 inhibitor with an IC<sub>50</sub> of 0.25 μM in HeLa cells<sup>[4]</sup>. Niclosamide has biological activities against cancer, inhibits DNA replication in Vero E6 cells<sup>[2][3][5]</sup>.

### REFERENCES

- [1]. P Andrews, et al. The biology and toxicology of molluscicides, Bayluscide. *Pharmacol Ther.* 1982;19(2):245-95.
- [2]. Wei Chen, et al. Niclosamide: Beyond an antihelminthic drug. *Cell Signal.* 2018 Jan;41:89-96.
- [3]. Kei Satoh, et al. Identification of Niclosamide as a Novel Anticancer Agent for Adrenocortical Carcinoma. *Clin Cancer Res.* 2016 Jul 15;22(14):3458-66.
- [4]. Xiaomei Ren, et al. Identification of Niclosamide as a New Small-Molecule Inhibitor of the STAT3 Signaling Pathway. *ACS Med Chem Lett.* 2010 Sep 7;1(9):454-9.
- [5]. Chang-Jer Wu, et al. Inhibition of severe acute respiratory syndrome coronavirus replication by niclosamide. *Antimicrob Agents Chemother.* 2004 Jul;48(7):2693-6.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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