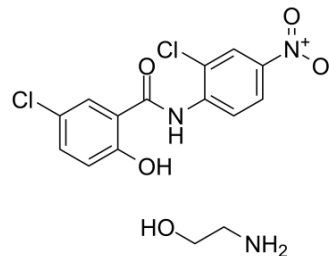


## Niclosamide olamine

Cat. No.:	HY-B0497C
CAS No.:	1420-04-8
Molecular Formula:	C <sub>15</sub> H <sub>15</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	388.2
Target:	STAT; Parasite; Antibiotic; Autophagy
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt; Anti-infection; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Niclosamide olamine (BAY2353 olamine) is an anthelmintic that disrupts mitochondrial metabolism in parasitic worms and animal models. Niclosamide olamine inhibits STAT3 (IC<sub>50</sub> = 0.25 μM) and stimulates autophagy by reversibly inhibiting mammalian target of Rapamycin complex 1 (mTORC1) signaling.

### CUSTOMER VALIDATION

- Cell Syst. 2018 Apr 25;6(4):424-443.e7.
- Biochem Pharmacol. 2019 Nov;169:113610.
- Preprints. 2021, 2021040399.
- Patent. US20180263995A1.

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

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