

SDH-IN-24

## Chemical Properties

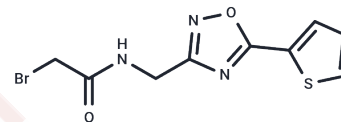
CAS No. :

Formula: C<sub>9</sub>H<sub>8</sub>BrN<sub>3</sub>O<sub>2</sub>S

Molecular Weight: 302.148

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	SDH-IN-24 (Compound 51) is an inhibitor of succinate dehydrogenase (SDH) with an LC <sub>50</sub> of 6.9 mg/L against second-stage larvae of <i>Bursaphelenchus xylophilus</i> and an IC <sub>50</sub> of 15.0 μM against SDH. It exerts nematicidal activity by disrupting nematode energy metabolism, inhibiting movement, feeding, reproduction, inducing oxidative stress, reducing protein content, and impairing antioxidant capability. SDH-IN-24 is applicable for research in nematode control.
Targets(IC50)	Others,Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3096 mL	16.5481 mL	33.0961 mL
5 mM	0.6619 mL	3.3096 mL	6.6192 mL
10 mM	0.331 mL	1.6548 mL	3.3096 mL
50 mM	0.0662 mL	0.331 mL	0.6619 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481