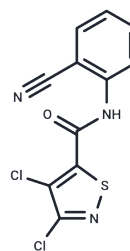


Isotianil

Chemical Properties

CAS No. :	224049-04-1
Formula:	C ₁₁ H ₅ Cl ₂ N ₃ O ₂ S
Molecular Weight:	298.15
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	Isotianil is a plant defense inducer that activates typical plant defense responses without direct antimicrobial effects, serving as a plant protection agent for controlling rice blast [1].
Targets(IC50)	Others,Antibacterial
In vitro	Isotianil, in concentrations ranging from 0.1 to 100 ppm over a span of two days, can induce the accumulation of endogenous plant disease resistance-related enzymes, including lipoxygenase, phenylalanine ammonia-lyase, and chitinase, within rice tissues.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.354 mL	16.7701 mL	33.5402 mL
5 mM	0.6708 mL	3.354 mL	6.708 mL
10 mM	0.3354 mL	1.677 mL	3.354 mL
50 mM	0.0671 mL	0.3354 mL	0.6708 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