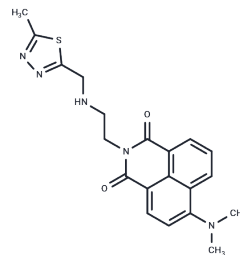


Chitinase-IN-2

Chemical Properties

CAS No. :	1579991-63-1
Formula:	C ₂₀ H ₂₁ N ₅ O ₂ S
Molecular Weight:	395.48
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	Chitinase-IN-2 is an insect chitinase and N- acetyl hexosaminidase inhibitor and pesticide.
Targets(IC50)	Others
In vitro	The inhibitory percentage of Chitinase-IN-2 (50 μM/20 μM) is 98%/92% for chitinase/N-acetyl-hexosaminidase respectively.

Solubility Information

Solubility	DMSO: 53 mg/mL (134.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5286 mL	12.6429 mL	25.2857 mL
5 mM	0.5057 mL	2.5286 mL	5.0571 mL
10 mM	0.2529 mL	1.2643 mL	2.5286 mL
50 mM	0.0506 mL	0.2529 mL	0.5057 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.

Reference

thalimide derivative and application thereof as enzyme inhibitor and pesticide . Patent CN 103641825 A

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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