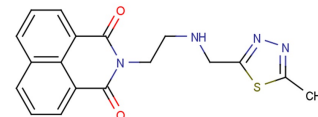


Chitinase-IN-1

Chemical Properties

CAS No.:	1579991-61-9
Formula:	C ₁₈ H ₁₆ N ₄ O ₂ S
Molecular Weight:	352.41
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Chitinase-IN-1 is an insect chitinase and N- acetyl hexosaminidase inhibitor and pesticide.
Targets(IC ₅₀)	Others: None
In vitro	The inhibitory percentage of Chitinase-IN-1 (50 μM/20 μM) is 75%/67% for chitinase/N- acetyl-hexosaminidase respectively.

Solubility Information

Solubility	DMSO: 50 mg/mL (141.88 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.838 mL	14.188 mL	28.376 mL
5 mM	0.568 mL	2.838 mL	5.675 mL
10 mM	0.284 mL	1.419 mL	2.838 mL
50 mM	0.057 mL	0.284 mL	0.568 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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

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