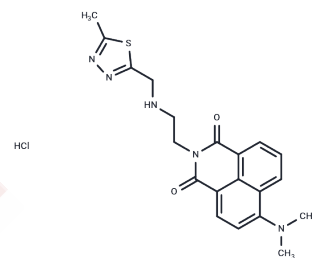


## Chitinase-IN-2 hydrochloride

## Chemical Properties

CAS No. :	2070014-83-2
Formula:	C <sub>20</sub> H <sub>22</sub> ClN <sub>5</sub> O <sub>2</sub> S
Molecular Weight:	431.94
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Chitinase-IN-2 hydrochloride functions as an inhibitor of both insect chitinase and N-acetyl hexosaminidase, and also serves as a pesticide. At concentrations of 50 $\mu$ M and 20 $\mu$ M, it demonstrates inhibitory effectiveness of 98% and 92% against chitinase and N-acetyl-hexosaminidase, respectively.
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	DMSO: 46 mg/mL (106.5 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	2.3151 mL	11.5757 mL	23.1514 mL
5 mM	0.463 mL	2.3151 mL	4.6303 mL
10 mM	0.2315 mL	1.1576 mL	2.3151 mL
50 mM	0.0463 mL	0.2315 mL	0.463 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.

## 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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