

## Ametoctradin

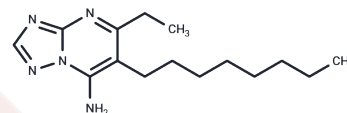
## Chemical Properties

CAS No. : 865318-97-4

Formula: C<sub>15</sub>H<sub>25</sub>N<sub>5</sub>

Molecular Weight: 275.39

Storage: Store at low temperature, Keep away from moisture,  
Keep away from direct sunlight  
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	Ametoctradin is an inhibitor of the Qo site of mitochondrial respiratory complex III. It is an agricultural fungicide that selectively inhibits the cytochrome bc(1) complex of Onychomycetes, and can be used for the study of Onychomycetes diseases.
Targets(IC50)	Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6312 mL	18.1561 mL	36.3121 mL
5 mM	0.7262 mL	3.6312 mL	7.2624 mL
10 mM	0.3631 mL	1.8156 mL	3.6312 mL
50 mM	0.0726 mL	0.3631 mL	0.7262 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

Xiaolei Zhu, et al. Ametoctradin is a potent Qo site inhibitor of the mitochondrial respiration complex III. J Agric Food Chem. 2015 Apr 8;63(13):3377-86.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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