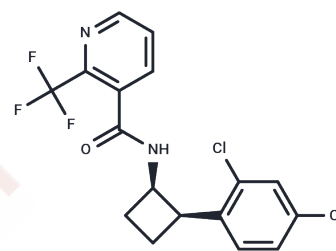


## Cyclobutrifluram

## Chemical Properties

CAS No. :	1460292-16-3
Formula:	C17H13Cl2F3N2O
Molecular Weight:	389.20
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	Cyclobutrifluram is a succinate dehydrogenase inhibitor (SDHI) with an average EC50 of 0.025 µg/mL against <i>F. fujikuroi</i> . It demonstrates excellent antifungal activity, significantly hindering the growth of sensitive <i>F. fujikuroi</i> mycelia. However, it may induce resistance, particularly in cases of amino acid substitutions in FfSdhB (H248L/Y) and FfSdhC2 (G80R or A83V). Cyclobutrifluram is applicable for research on rice bakanae disease (RBD).
Targets(IC50)	Others,Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5694 mL	12.8469 mL	25.6937 mL
5 mM	0.5139 mL	2.5694 mL	5.1387 mL
10 mM	0.2569 mL	1.2847 mL	2.5694 mL
50 mM	0.0514 mL	0.2569 mL	0.5139 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

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