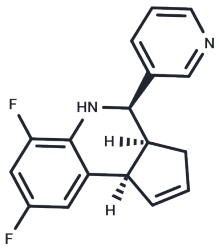
Data Sheet (Cat.No.T38818)

TargetMol

Golgicide A-2

Chemical Properties



CAS No. : 1394285-50-7

Formula: C17H14F2N2

Molecular Weight: 284.31

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	Golgicide A-2 (GCA-2), a derivative of Golgicide A (GCA), is the highly active enantiomer of GCA. It exhibits exceptional selectivity and efficiency in eradicating An. stephensi larvae, making it valuable for dengue virus-related research.
Targets(IC50)	Anti-infection,Others,Virus Protease
In vitro	GCA-2 demonstrates potent biocidal activity against both Ae. Aegypti and An. Stephensi larvae. Moreover, it exhibits pronounced selective cytotoxicity towards An. Stephensi larvae, achieving a mortality rate of 83.4%[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5173 mL	17.5864 mL	35.1729 mL
5 mM	0.7035 mL	3.5173 mL	7.0346 mL
10 mM	0.3517 mL	1.7586 mL	3.5173 mL
50 mM	0.0703 mL	0.3517 mL	0.7035 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

Daniel J Mack, et al. Distinct biological effects of golgicide a derivatives on larval and adult mosquitoes. Bioorg Med Chem Lett

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