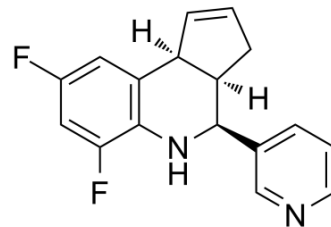


Golgicide A-1

Cat. No.:	HY-100540C
CAS No.:	1394285-49-4
Molecular Formula:	C ₁₇ H ₁₄ F ₂ N ₂
Molecular Weight:	284.3
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 110 mg/mL (386.92 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.5174 mL	17.5871 mL	35.1741 mL
		5 mM	0.7035 mL	3.5174 mL	7.0348 mL
	10 mM	0.3517 mL	1.7587 mL	3.5174 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 5.5 mg/mL (19.35 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5.5 mg/mL (19.35 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Golgicide A-1 (GCA-1) is a less active cis-diastereomer of Golgicide A (GCA). Golgicide A-1 weakly inhibits mosquito reproduction ^[1] .
In Vitro	Golgicide A-1 (GCA-1) displays minimal to no cytotoxicity in the <i>Aedes aegypti</i> and <i>Anopheles stephensi</i> larvae assay ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Daniel J Mack, et al. Distinct biological effects of golgicide a derivatives on larval and adult mosquitoes. *Bioorg Med Chem Lett*. 2012 Aug 15;22(16):5177-81.

Caution: Product has not been fully validated for medical applications. For research use only.

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