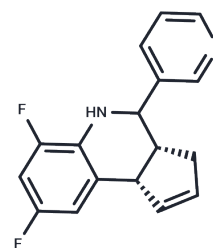


## Golgicide A

## Chemical Properties

CAS No. :	1139889-93-2
Formula:	C17H14F2N2
Molecular Weight:	284.3
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 is a potent and rapidly reversible GBF1 inhibitor.
Targets(IC50)	Virus Protease
In vitro	Golgicide A inhibits the effect of shiga toxin on protein synthesis with an IC50 of 3.3 $\mu$ M. Golgicide A causes a decrease in GBF1-mediated Arf1 activation, arrests secretion of soluble and membrane-anchored proteins and then impairs retrograde toxin transport. [1] Golgicide A decreases HCV RNA levels in FLRP1 cells and J6/JFH1 cells. In addition, Golgicide A causes redistribution of NS5A and accumulation of infectious viral particles in J6/JFH1 cells. [2]

## Solubility Information

Solubility	DMSO: 14.2 mg/mL (49.95 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	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
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

Sáenz JB, et al. Nat Chem Biol. 2009, 5(3), 157-16

Matto M, et al. J Virol. 2011, 85(2), 946-956.

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