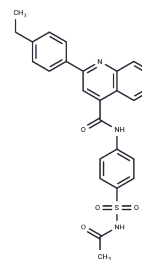


Flaviviruses-IN-3

Chemical Properties

CAS No. :	420090-97-7
Formula:	C ₂₆ H ₂₃ N ₃ O ₄ S
Molecular Weight:	473.54
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Flaviviruses-IN-3 (compound 87) is a potent inhibitor of flavivirus. Flaviviruses-IN-3 could reduce the WNV (West Nile virus) protease activity, with a inhibition of 54%.
Targets(IC50)	Virus Protease

Solubility Information

Solubility	DMSO: 112.5 mg/mL (237.6 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1118 mL	10.5588 mL	21.1175 mL
5 mM	0.4224 mL	2.1118 mL	4.2235 mL
10 mM	0.2112 mL	1.0559 mL	2.1118 mL
50 mM	0.0422 mL	0.2112 mL	0.4224 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.

Reference

Radhakrishnan Padmanabhan, et al. Flavivirus inhibitors and methods for their use. WO2010039538.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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