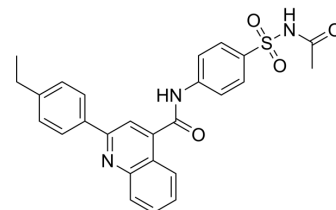


Flaviviruses-IN-3

Cat. No.:	HY-153076	
CAS No.:	420090-97-7	
Molecular Formula:	C ₂₆ H ₂₃ N ₃ O ₄ S	
Molecular Weight:	473.54	
Target:	Virus Protease	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (263.97 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (4.39 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (4.39 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Flaviviruses-IN-3 (compound 87) is a potent flavivirus inhibitor. Flaviviruses-IN-3 reduces the WNV (West Nile virus) protease activity, with an inhibition of 54%^[1].

REFERENCES

- [1]. Radhakrishnan Padmanabhan, et al. Flavivirus inhibitors and methods for their use. WO2010039538.

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

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