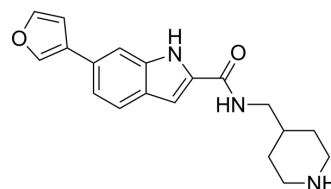


NS2B/NS3-IN-3

Cat. No.:	HY-144644		
CAS No.:	2832876-90-9		
Molecular Formula:	C ₁₉ H ₂₁ N ₃ O ₂		
Molecular Weight:	323.39		
Target:	Virus Protease; Flaviviridae		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 65 mg/mL (201.00 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.0922 mL	15.4612 mL	30.9224 mL
		5 mM	0.6184 mL	3.0922 mL	6.1845 mL
10 mM		0.3092 mL	1.5461 mL	3.0922 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: ≥ 3 mg/mL (9.28 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	NS2B/NS3-IN-3 (Compd 66) is an inhibitor of Flavivirus NS2B-NS3 protease ^[1] .
In Vitro	NS2B/NS3-IN-3 (Compd 66) exhibits a strong antiviral activity against cellular replication of Zika virus in cells with EC ₆₈ values of 1-3 μM. ^[1] MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Shenyou Nie, et al. Synthesis, structure-activity relationship and antiviral activity of indole-containing inhibitors of Flavivirus NS2B-NS3 protease. Eur J Med Chem. 2021 Dec 5;225:113767.

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

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