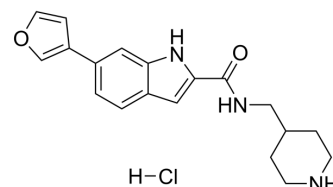


NS2B/NS3-IN-3 hydrochloride

Cat. No.:	HY-144644A
CAS No.:	2832876-91-0
Molecular Formula:	C ₁₉ H ₂₂ ClN ₃ O ₂
Molecular Weight:	359.85
Target:	Virus Protease; Flavivirus
Pathway:	Anti-infection
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (27.79 mM); ultrasonic and warming and heat to 60°C																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.7789 mL</td> <td>13.8947 mL</td> <td>27.7894 mL</td> </tr> <tr> <td>5 mM</td> <td>0.5558 mL</td> <td>2.7789 mL</td> <td>5.5579 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2779 mL</td> <td>1.3895 mL</td> <td>2.7789 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.7789 mL	13.8947 mL	27.7894 mL	5 mM	0.5558 mL	2.7789 mL	5.5579 mL	10 mM	0.2779 mL	1.3895 mL	2.7789 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1 mg/mL (2.78 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (2.78 mM); Clear solution 																					

BIOLOGICAL ACTIVITY

Description	NS2B/NS3-IN-3 hydrochloride is an inhibitor of Flavivirus NS2B-NS3 protease ^[1] .
In Vitro	NS2B/NS3-IN-3 hydrochloride (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

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

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