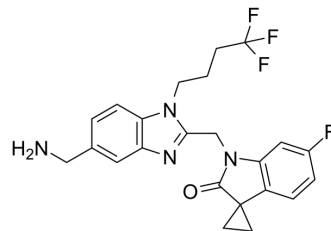


Sisunatovir

Cat. No.:	HY-123475		
CAS No.:	1903763-82-5		
Molecular Formula:	C ₂₃ H ₂₂ F ₄ N ₄ O		
Molecular Weight:	446.44		
Target:	RSV		
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 : 25 mg/mL (56.00 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2399 mL	11.1997 mL	22.3994 mL
	5 mM	0.4480 mL	2.2399 mL	4.4799 mL
	10 mM	0.2240 mL	1.1200 mL	2.2399 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: ≥ 2.5 mg/mL (5.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.60 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Sisunatovir (RV521), an orally available inhibitor of the RSV protein, exhibits potent efficacy against a panel of clinical isolates of RSV-A and RSV-B viruses, with IC₅₀s of 1.4 nM and 1.0 nM, respectively^[1].

CUSTOMER VALIDATION

-
- Viruses. 2023 Jul 14, 15(7), 1548.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. DeVincenzo J, et al. A Randomized, Placebo-Controlled, Respiratory Syncytial Virus Human Challenge Study of the Antiviral Efficacy, Safety, and Pharmacokinetics of RV521, an Inhibitor of the RSV-F Protein. Antimicrob Agents Chemother. 2020;64(2):e01884-19. Published 2020 Jan 27.

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

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