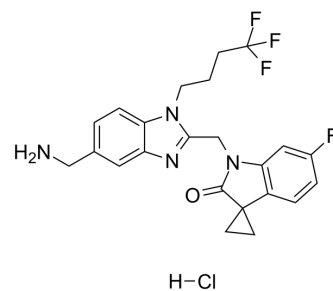


Sisunatovir hydrochloride

Cat. No.:	HY-123475A
CAS No.:	1903763-83-6
Molecular Formula:	C ₂₃ H ₂₃ ClF ₄ N ₄ O
Molecular Weight:	482.9
Target:	RSV
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (207.08 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.0708 mL	10.3541 mL	20.7082 mL
		5 mM		0.4142 mL	2.0708 mL	4.1416 mL
10 mM		0.2071 mL	1.0354 mL	2.0708 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: ≥ 2.5 mg/mL (5.18 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.18 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.18 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Sisunatovir (RV521) hydrochloride, an orally available inhibitor of the RSV fusion (RSV-F) protein, exhibits potent efficacy against a panel of clinical isolates of RSV-A and RSV-B viruses, with IC ₅₀ s of 1.4 nM and 1.0 nM, respectively ^[1] .
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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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA