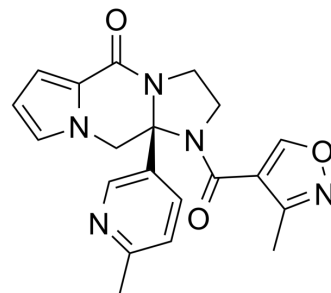


(S)-Enzaplatovir

Cat. No.:	HY-109004A		
CAS No.:	1323077-88-8		
Molecular Formula:	C ₂₀ H ₁₉ N ₅ O ₃		
Molecular Weight:	377.4		
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 : 200 mg/mL (529.94 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6497 mL	13.2485 mL	26.4971 mL
	5 mM	0.5299 mL	2.6497 mL	5.2994 mL
	10 mM	0.2650 mL	1.3249 mL	2.6497 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: ≥ 5 mg/mL (13.25 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 5 mg/mL (13.25 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 5 mg/mL (13.25 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(S)-Enzaplatovir ((S)-BTA-C585) is the S-enantiomer of Enzaplatovir. (S)-Enzaplatovir shows antiviral activities with an EC₅₀ of 56 nM for respiratory syncytial viral (RSV) (patent WO2011094823A1 compound 77)^[1].

REFERENCES

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

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