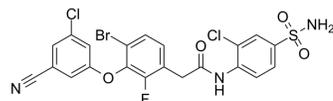


Depulfavirine

Cat. No.:	HY-13053		
CAS No.:	867365-76-2		
Molecular Formula:	C ₂₁ H ₁₃ BrCl ₂ FN ₃ O ₄ S		
Molecular Weight:	573.22		
Target:	Reverse Transcriptase		
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 : 250 mg/mL (436.13 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
	Preparing Stock Solutions	1 mM	5 mM	10 mM
		1.7445 mL	8.7227 mL	17.4453 mL
		0.3489 mL	1.7445 mL	3.4891 mL
		0.1745 mL	0.8723 mL	1.7445 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: ≥ 2.08 mg/mL (3.63 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.63 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	RO-0335 is a novel and potent diphenylether nonnucleoside reverse transcriptase inhibitor (NNRTI). RO-0335 inhibits Wt HIV-1 with an IC ₅₀ of 1.1 nM and retained activity (IC ₅₀ < 100 nM) against 92% of a large number of NNRTI-resistant clinical isolates ^[1] .
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REFERENCES

[1]. Javanbakht H, et al. In vitro resistance development for RO-0335, a novel diphenylether nonnucleoside reverse transcriptase inhibitor. Antiviral Res. 2010;86(2):212-219.

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

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