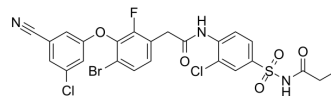


Elsulfavirine

Cat. No.:	HY-109056		
CAS No.:	868046-19-9		
Molecular Formula:	C ₂₄ H ₁₇ BrCl ₂ FN ₃ O ₅ S		
Molecular Weight:	629.28		
Target:	HIV		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (99.32 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	1.5891 mL	7.9456 mL	15.8912 mL
			5 mM	0.3178 mL	1.5891 mL	3.1782 mL
10 mM	0.1589 mL	0.7946 mL	1.5891 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (3.31 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.31 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Elsulfavirine is a reverse transcriptase inhibitors for HIV-1 infection and is a new anti-HIV agent ^[1] .
IC ₅₀ & Target	HIV-1

REFERENCES

[1]. Rai MA, et al. Emerging reverse transcriptase inhibitors for HIV-1 infection. Expert Opin Emerg Drugs. 2018 Jun;23(2):149-157.

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

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