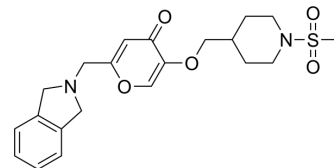


Opevesostat

Cat. No.:	HY-156628		
CAS No.:	2231294-96-3		
Molecular Formula:	C ₂₁ H ₂₆ N ₂ O ₅ S		
Molecular Weight:	418.51		
Target:	Cytochrome P450		
Pathway:	Metabolic Enzyme/Protease		
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 : 50 mg/mL (119.47 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3894 mL	11.9471 mL	23.8943 mL
		5 mM	0.4779 mL	2.3894 mL	4.7789 mL
10 mM		0.2389 mL	1.1947 mL	2.3894 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: ≥ 1.25 mg/mL (2.99 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.99 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Opevesostat is a cholesterol side-chain cleavage enzyme (CYP11A1) inhibitor ^[1] .
IC₅₀ & Target	CYP11A1 ^[1]

REFERENCES

[1]. Ikonen, et al. Method for treating prostate cancer in patient using CYP11A1 inhibitor as active ingredient. World Intellectual Property Organization, WO2023052682 A1. 2023-04-06.

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

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