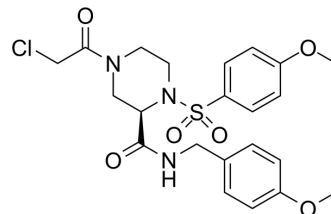


(R)-SKBG-1

Cat. No.:	HY-153918		
CAS No.:	2955634-67-8		
Molecular Formula:	C ₂₂ H ₂₆ ClN ₃ O ₆ S		
Molecular Weight:	495.98		
Target:	Androgen Receptor		
Pathway:	Vitamin D Related/Nuclear Receptor		
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 : 100 mg/mL (201.62 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions	1 mM	2.0162 mL	10.0811 mL
	5 mM	0.4032 mL	2.0162 mL	
	10 mM	0.2016 mL	1.0081 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 (5.04 mM); Clear solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.04 mM); Clear solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	(R)-SKBG-1 is an RNA-binding protein NONO inhibitor. (R)-SKBG-1 suppresses androgen receptor expression with IC ₅₀ s of 3.1 μM and 5.5 μM against AR-FL mRNA and AR-V7 mRNA, respectively ^[1] .
IC₅₀ & Target	IC ₅₀ : 3.1 μM (AR-FL mRNA), 5.5 μM (AR-V7 mRNA) ^[1]

REFERENCES

[1]. Kathman SG, et al. Remodeling oncogenic transcriptomes by small molecules targeting NONO. Nat Chem Biol. 2023 Jul;19(7):825-836.

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

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