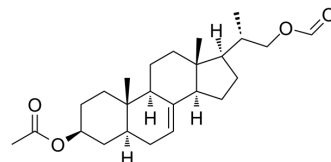


SH-42

Cat. No.:	HY-143228		
CAS No.:	2143952-36-5		
Molecular Formula:	C ₂₅ H ₃₈ O ₄		
Molecular Weight:	402.57		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 2 mg/mL (4.97 mM; ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	Solvent \ Mass	1 mg	5 mg	10 mg
		Concentration			
		1 mM	2.4840 mL	12.4202 mL	24.8404 mL
		5 mM	---	---	---
10 mM	---	---	---		
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 6.6% Cremophor solution (1:1 Ethanol and Cremophor EL) >> 93.4% PBS Solubility: 5 mg/mL (12.42 mM); Suspended solution; Need ultrasonic and warming and heat to 60°C				

BIOLOGICAL ACTIVITY

Description	SH-42 is a potent and selective inhibitor of human Δ^{24} -dehydrocholesterol reductase (DHCR24), with an IC ₅₀ of 42 nM. SH-42 can lead to a significant increase in plasma desmosterol levels of mice ^[1] .
IC ₅₀ & Target	IC50: 42 nM (DHCR24) ^[1]

REFERENCES

[1]. Müller C, et, al. New chemotype of selective and potent inhibitors of human delta 24-dehydrocholesterol reductase. Eur J Med Chem. 2017 Nov 10;140:305-320.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA