Data Sheet (Cat.No.T7837)



SR8278

Chemical Propert		
CAS No. :	1254944-66-5	H ₃ c-s
Formula:	C18H19NO3S2	s'
Molecular Weight:	361.48	
Appearance:	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	Сн3

Biological Description

Description	SR8278 is an REV-ERB α antagonist(EC50 = 0.47 μ M), blocking activation of the receptor by the synthetic agonist GSK 4112	
Targets(IC50)	Others	
In vitro	SR8278 stimulates the expression of two REV-ERBα target genes involved in the regulation of glucose production, glucose 6-phosphatase and phosphoenolpyruvate carboxykinase, in liver cells[1]	

Solubility DMSO: 50 mg/mL (138.32 mM,) ,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)</td>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7664 mL	13.832 mL	27.664 mL
5 mM	0.5533 mL	2.7664 mL	5.5328 mL
10 mM	0.2766 mL	1.3832 mL	2.7664 mL
50 mM	0.0553 mL	0.2766 mL	0.5533 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Zhong D, Chen J, Qiao R, et al.Genetic or pharmacologic blockade of mPGES-2 attenuates renal lipotoxicity and diabetic kidney disease by targeting Rev-Erbα/FABP5 signaling.Cell Reports.2024, 43(4).

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