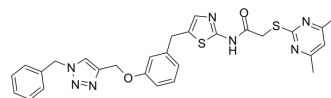


Sirt2-IN-1

Cat. No.:	HY-112427		
CAS No.:	1862238-00-3		
Molecular Formula:	C ₂₈ H ₂₇ N ₇ O ₂ S ₂		
Molecular Weight:	557.69		
Target:	Sirtuin		
Pathway:	Cell Cycle/DNA Damage; Epigenetics		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 150 mg/mL (268.97 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	1.7931 mL	8.9656 mL	17.9311 mL
		5 mM	0.3586 mL	1.7931 mL	3.5862 mL
		10 mM	0.1793 mL	0.8966 mL	1.7931 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 (4.48 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.48 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Sirt2-IN-1 (Compound 9) is a sirtuin 2 (Sirt2) inhibitor with an IC ₅₀ of 163 nM ^[1] .
IC ₅₀ & Target	SIRT2 163 nM (IC ₅₀)

REFERENCES

[1]. Schiedel M, et al. Structure-Based Development of an Affinity Probe for Sirtuin 2. Angew Chem Int Ed Engl. 2016 Feb 5;55(6):2252-6.

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

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