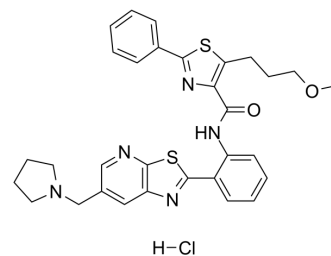


Sirtuin modulator 1

Cat. No.:	HY-19758A
CAS No.:	2070015-26-6
Molecular Formula:	C ₃₁ H ₃₂ ClN ₅ O ₂ S ₂
Molecular Weight:	606.2
Target:	Sirtuin
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (20.62 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.6496 mL	8.2481 mL	16.4962 mL
				5 mM	0.3299 mL	1.6496 mL	3.2992 mL
				10 mM	0.1650 mL	0.8248 mL	1.6496 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 (2.06 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.06 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Sirtuin modulator 1 is a modulator of SIRT1, a homolog of SIRT3, with EC _{1.5} of < 1 μM, extracted from patent WO 2010071853 A1, Compound No.4.
IC ₅₀ & Target	SIRT1 1 μM (EC1.5)

REFERENCES

[1]. Thiazolopyridine sirtuin modulating compounds. WO 2010071853 A1

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

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