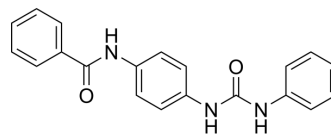


Sirtuin-1 inhibitor 1

Cat. No.:	HY-156781		
CAS No.:	945114-10-3		
Molecular Formula:	C ₂₀ H ₁₇ N ₃ O ₂		
Molecular Weight:	331.37		
Target:	Sirtuin		
Pathway:	Cell Cycle/DNA Damage; Epigenetics		
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 : 20.83 mg/mL (62.86 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0178 mL	15.0889 mL	30.1777 mL
	5 mM	0.6036 mL	3.0178 mL	6.0355 mL
	10 mM	0.3018 mL	1.5089 mL	3.0178 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Sirtuin-1 inhibitor 1 (Compound 8) is an inhibitor of Sirtuin-1 that plays important roles in obesity-induced diabetes and aging-related diseases^[1].

IC₅₀ & Target

SIRT1

REFERENCES

[1]. Anastasiia Gryniukova, et al. AI-Powered Virtual Screening of Large Compound Libraries Leads to the Discovery of Novel Inhibitors of Sirtuin-1. J Med Chem. 2023 Aug 10;66(15):10241-10251.

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

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