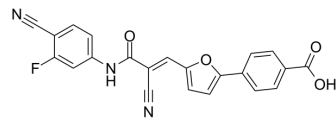


SIRT5 inhibitor 3

Cat. No.:	HY-146387		
CAS No.:	2128651-12-5		
Molecular Formula:	C ₂₂ H ₁₂ FN ₃ O ₄		
Molecular Weight:	401.35		
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 : 25 mg/mL (62.29 mM); ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4916 mL	12.4580 mL	24.9159 mL
5 mM	0.4983 mL	2.4916 mL	4.9832 mL
10 mM	0.2492 mL	1.2458 mL	2.4916 mL

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

BIOLOGICAL ACTIVITY

Description

SIRT5 inhibitor 3 (compound 46) is a potent and competitive SIRT5 inhibitor with an IC₅₀ value of 5.9 μM. SIRT5 inhibitor 3 can inhibit SIRT5 desuccinylation. SIRT5 inhibitor 3 can be used for researching cancer and neurodegenerative diseases^[1].

IC₅₀ & Target

SIRT5
5.9 μM (IC₅₀)

REFERENCES

[1]. Wang Y, et al. Overview of SIRT5 as a potential therapeutic target: Structure, function and inhibitors. Eur J Med Chem. 2022;236:114363.

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

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