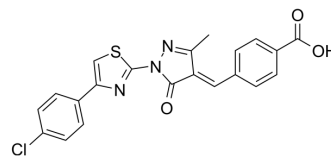


SIRT5 inhibitor 5

Cat. No.:	HY-152214
CAS No.:	2883730-60-5
Molecular Formula:	C ₂₁ H ₁₄ ClN ₃ O ₃ S
Molecular Weight:	423.87
Target:	Sirtuin
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SIRT5 inhibitor 5 is a potent SIRT5 inhibitor with an IC ₅₀ value of 0.21 μM. SIRT5 inhibitor 5 does not occupy the NNAD ⁺ - binding pocket and acts as a substrate-competitive inhibitor ^[1] .
IC ₅₀ & Target	SIRT5 0.21 μM (IC ₅₀)
In Vitro	SIRT5 inhibitor 5 (compound 47) (0-10 μM) shows no significant change in the inhibitory activity in different concentrations of NAD ⁺ (50, 100, 200, 400, 800 μM) and decreases the inhibitory activity in the presence of increased concentrations of Ac-K(Suc)-AMC (10, 30, 90, 270 μM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yao J, et al. Pyrazolone derivatives as potent and selective small-molecule SIRT5 inhibitors. Eur J Med Chem. 2022 Dec 16;247:115024.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA