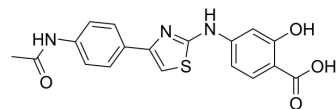


SIRT5 inhibitor 4

Cat. No.:	HY-150727
CAS No.:	708992-34-1
Molecular Formula:	C ₁₈ H ₁₅ N ₃ O ₄ S
Molecular Weight:	369.39
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 4 (compound 11) is a potent, selective SIRT5 inhibitor with IC ₅₀ values of 26.4 and >400 μM for SIRT5 and other SIRT subtype, respectively ^[1] .			
IC₅₀ & Target	SIRT5 26.4 μM (IC ₅₀)	SIRT1 ∞400 μM (IC ₅₀)	SIRT2 ∞400 μM (IC ₅₀)	SIRT3 ∞400 μM (IC ₅₀)
	SIRT6 ∞400 μM (IC ₅₀)	SIRT7 ∞400 μM (IC ₅₀)		
In Vitro	SIRT5 inhibitor 4 (compound 11) (6-200 μM) stabilizes SIRT5 protein with a temperature shift of 1.8∞ in a dose-dependent manner ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

REFERENCES

[1]. Han LY, et, al. Identification of 2-hydroxybenzoic acid derivatives as selective SIRT5 inhibitors. Eur.J.Med.Chem.2022 Jul 22, 114623

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

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