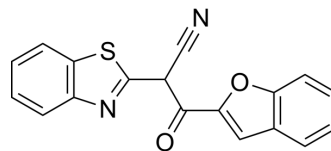


Sirtuin modulator 4

Cat. No.:	HY-148312
CAS No.:	327104-77-8
Molecular Formula:	C ₁₈ H ₁₀ N ₂ O ₂ S
Molecular Weight:	318.35
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	Sirtuin modulator 4 (compound 12) is a sirtuin modulator. Sirtuin modulator 4 shows inhibitory effect to SIRT1 with an EC ₅₀ value of 51-100 μM. Sirtuin modulator 4 may be used for the research of increasing the lifespan of a cell, and preventing a wide variety of diseases and disorders including, for example, diabetes, obesity, neurodegenerative diseases, cardiovascular diseases, inflammation and cancer ^[1] .
IC₅₀ & Target	SIRT1 51-100 μM (EC ₅₀)
In Vitro	Sirtuin modulator 4 (0.7-100 μM) inhibits SIRT1 with an EC ₅₀ value of 51-100 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Milburn Michael, et al. Fused heterocyclic compounds and their use as sirtuin modulators. US7998974. 2011.

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

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