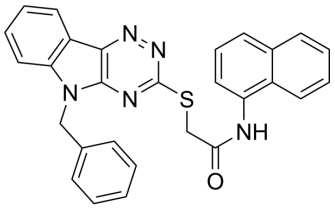
SIRT2-IN-10

Cat. No.:	HY-151522
CAS No.:	296793-09-4
Molecular Formula:	$C_{28}H_{21}N_5OS$
Molecular Weight:	475.56
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	SIRT2-IN-10 (Compound 12) is a potent SIRT2 inhibitor with an IC_{50} of 1.3 μM. SIRT2-IN-10 can be used for the research of cancer and neurodegenerative disease[1].
IC_{50} & Target	SIRT2[1]
In Vitro	SIRT2-IN-10 (Compound 12) (0-50 μM; 72 h) inhibits the proliferation of MCF-7 cells in a concentration-dependent manner[1]. SIRT2-IN-10 (6.25-50 μM; 6 h) increased the acetylation level of α-tubulin in a concentration-dependent manner in MCF-7 cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Proliferation Assay[1]

Cell Line:	MCF-7 cells
Concentration:	0, 0.6, 1.8, 5.5, 16.6 and 50.0 μM
Incubation Time:	72 h
Result:	Inhibited the proliferation in a concentration-dependent manner.

Western Blot Analysis[1]

Cell Line:	MCF-7 cells
Concentration:	6.25, 12.5, 25 and 50 μM
Incubation Time:	6 h
Result:	Dose-dependently increased the acetylation level of α-tubulin.

REFERENCES

[1]. Shengyong Yang, et al. The purposes of 5H- [1,2,4] triazine [5,6-b] indole derivatives of 3 substitutions. Patent CN108309982A.

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