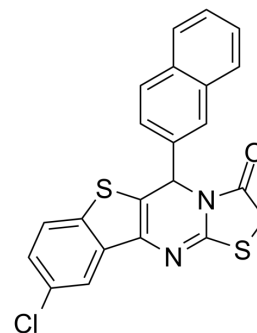


Sirt1/2-IN-1

Cat. No.:	HY-146013
CAS No.:	2402779-21-7
Molecular Formula:	C ₂₂ H ₁₃ ClN ₂ OS ₂
Molecular Weight:	420.93
Target:	Sirtuin; Microtubule/Tubulin
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Sirt1/2-IN-1 (Compound 7) is a SIRT1 and SIRT2 inhibitor with IC ₅₀ values of 1.81, 2.10 and 20.5 µg/mL against SIRT1, SIRT2 and SIRT3, respectively. Sirt1/2-IN-1 displays activity in hyperacetylation of α-tubulin protein with an IC ₅₀ of 32.05 µg/mL. Sirt1/2-IN-1 shows prominent anticancer activity ^[1] .		
IC₅₀ & Target	SIRT1 1.81 µg/mL (IC ₅₀)	SIRT2 2.10 µg/mL (IC ₅₀)	SIRT3 20.5 µg/mL (IC ₅₀)

REFERENCES

[1]. Khalil NA, et al. Synthesis of certain benzothieno[3,2-d]pyrimidine derivatives as a selective SIRT2 inhibitors. Eur J Med Chem. 2020 Feb 1;187:111926.

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