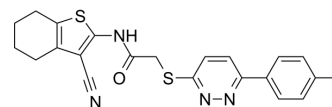


Telomerase-IN-5

Cat. No.:	HY-152077
CAS No.:	2892295-16-6
Molecular Formula:	C ₂₂ H ₂₀ N ₄ OS ₂
Molecular Weight:	420.55
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Telomerase-IN-5 is a potent telomerase inhibitor. Telomerase-IN-5 has antiproliferative activity and induces apoptosis ^[1] .
In Vitro	Telomerase-IN-5 (compound 9e; 0.1-100 µg/mL; 72 h) has antitumor effects against both cancer cell lines with IC ₅₀ values of 34.53 and 63.85 µg/mL for MCF-7 and A549 cells, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay ^[1]
	Cell Line: MCF-7 and A549 cells
	Concentration: 0.1, 1, 10, and 100 µg/mL
	Incubation Time: 72 h
	Result: Inhibited cell growth in a dose-dependent manner.

REFERENCES

[1]. Al-Karmalawy AA, et, al. Ligand-Based Design on the Dog-Bone-Shaped BIBR1532 Pharmacophoric Features and Synthesis of Novel Analogues as Promising Telomerase Inhibitors with In Vitro and In Vivo Evaluations. J Med Chem. 2022 Dec 16.

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