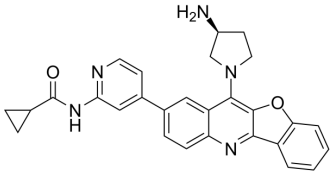
ZLHQ-5f

Cat. No.:	HY-147698
CAS No.:	2851977-85-8
Molecular Formula:	$C_{28}H_{25}N_5O_2$
Molecular Weight:	463.53
Target:	CDK; Topoisomerase; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ZLHQ-5f is a dual CDK2 and Topo I inhibitor with an IC_{50} of 0.145 μM against CDK2/CycA2. ZLHQ-5f arrests the cell cycle in S-phase, triggers apoptosis in HCT116 cells, and has a good safety profile[1].	
IC_{50} & Target	CDK2/CycA2 0.145 μM (IC_{50})	Top1
In Vitro	ZLHQ-5f shows antiproliferative activity with GI_{50} values of 0.949 ± 0.113, 0.821 ± 0.240, 1.124 ± 0.362, 1.945 ± 0.278 and 3.349 ± 0.149 μM against A549, HCT116, MCF-7, HepG2 and LO2 cells, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Huang Y, et al. Discovery of novel benzofuro[3,2-b]quinoline derivatives as dual CDK2/Topo I inhibitors. Bioorg Chem. 2022 May 21;126:105870.

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