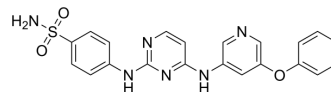


CDK2-IN-22

Cat. No.:	HY-157516
Molecular Formula:	C ₂₁ H ₁₈ N ₆ O ₃ S
Molecular Weight:	434.47
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CDK2-IN-22 (compound 7I) is a potent CDK2 inhibitor with an IC ₅₀ of 64.42 nM. CDK2-IN-22 presents a broad antiproliferative efficacy toward diverse cancer cells MV4-11, HT-29, MCF-7, and HeLa with IC ₅₀ values of 0.83 μM, 2.12 μM, 3.12 μM, and 8.61 μM, respectively ^[1] .
IC ₅₀ & Target	CDK2 64.42 nM (IC ₅₀)

REFERENCES

[1]. Wen-Bin Zeng, et al. Design, synthesis, and biological evaluation of N-(pyridin-3-yl)pyrimidin-4-amine analogues as novel cyclin-dependent kinase 2 inhibitors for cancer therapy. *Bioorg Chem.* 2024 Feb;143:107019.

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