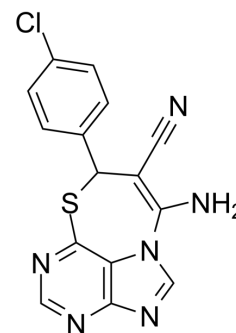


CDK2-IN-20

Cat. No.:	HY-155441
Molecular Formula:	C ₁₅ H ₉ ClN ₆ S
Molecular Weight:	340.79
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-20 (compound 3b) is an inhibitor of CDK2. CDK2-IN-20 has cytotoxicity on tumor cells presenting an IC ₅₀ range of 5.52-17.09 μM. CDK2-IN-20 arrests the MCF-7 cell cycle at the S phase and induces apoptosis ^[1] .
IC₅₀ & Target	CDK2/cyclinE 0.219 μM (IC ₅₀)

REFERENCES

[1]. Ebtehal M Husseiny, et al. Molecular overlay-guided design of new CDK2 inhibitor thiazepinopurines: Synthesis, anticancer, and mechanistic investigations. Bioorg Chem. 2023

Caution: Product has not been fully validated for medical applications. For research use only.

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