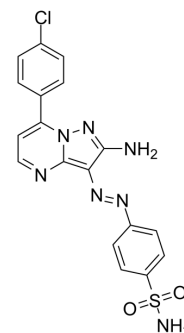


CDK2-IN-11

Cat. No.:	HY-150572
CAS No.:	2410402-82-1
Molecular Formula:	C ₁₈ H ₁₄ ClN ₇ O ₂ S
Molecular Weight:	427.87
Target:	CDK; Carbonic Anhydrase
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CDK2-IN-11 (compound 9d) is a potent CDK2 inhibitor with an IC ₅₀ of 6.4 μM, and K _i values of 23.4 nM, 56.3 nM and 44.3 nM for hCA II, hCA IX and hCA XII, respectively. CDK2-IN-11 can be used for researching anticancer ^[1] .
IC₅₀ & Target	IC ₅₀ : 6.4 μM (CDK2) ^[1] K _i : 23.4 nM (hCA II), 56.3 nM (hCA IX), 44.3 nM (hCA XII) ^[1]

REFERENCES

[1]. Said MA, et al. Sulfonamide-based ring-fused analogues for CAN508 as novel carbonic anhydrase inhibitors endowed with antitumor activity: Design, synthesis, and in vitro biological evaluation. *Eur J Med Chem.* 2020 Mar 1;189:112019.

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

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