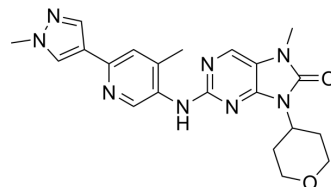


DNA-PK-IN-12

Cat. No.:	HY-163134
CAS No.:	2792146-91-7
Molecular Formula:	C ₂₁ H ₂₄ N ₈ O ₂
Molecular Weight:	420.47
Target:	DNA-PK
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

DNA-PK-IN-12 (compound 31t) is an oral active DNA-PK inhibitor with the IC₅₀ of 0.1 nM. DNA-PK-IN-12 inhibits cell growth and Hct116 cell colony formation with the IC₅₀ of 33.28 μM, and shows antitumor activity in vivo^[1].

REFERENCES

[1]. Liu K, et al. Discovery, Optimization, and Evaluation of Potent and Selective DNA-PK Inhibitors in Combination with Chemotherapy or Radiotherapy for the Treatment of Malignancies. J Med Chem. Published online December 20, 2023.

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

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