

Product Datasheet

DNA-PK-IN-12

Catalog No. **BP-00815** · CAS **2792146-91-7** · Form **free base** · Physical state **solid** · Color **Light brown to yellow** · Version **1.0**
· Revision **2026-09-14**

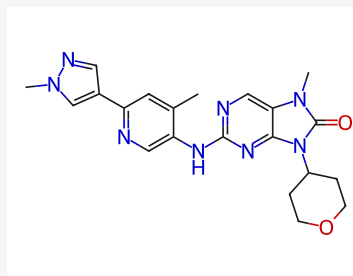
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Target DNA-PK	Research area Cancer
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Molecular formula **C₂₁H₂₄N₈O₂**

Molecular weight **420.4677**

STRUCTURE



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 .

SOLUBILITY

Soluble in DMSO

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.

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