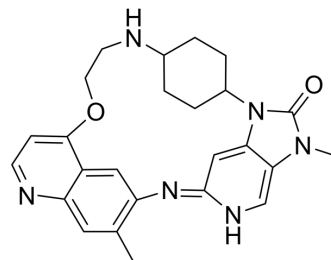


## DNA-PK-IN-10

Cat. No.:	HY-153943
CAS No.:	2919315-89-0
Molecular Formula:	C <sub>25</sub> H <sub>28</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	444.53
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

<b>Description</b>	DNA-PK-IN-10 is a DNA-PK inhibitor. DNA-PK-IN-10 can be used for the research of breast cancer and non-small cell lung cancer <sup>[1]</sup> .
<b>In Vitro</b>	DNA-PK-IN-10 (Example 31) inhibits the viability of MDA-MB-468 cells, with an IC <sub>50</sub> of 11.2 nM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	DNA-PK-IN-10 (Example 31) (30 mg/kg; administered twice a day) significantly inhibits tumor growth, and the shows good tolerance in mice were inoculated NCI-H1703 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Kuncheng C, et, al. Dna-pk selective inhibitor, and preparation method therefor and use thereof. WO2023036156A1.

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

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