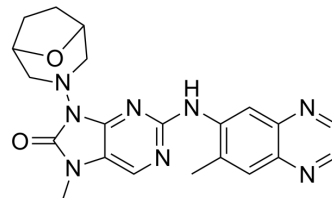


## DNA-PK-IN-5

Cat. No.:	HY-144038
CAS No.:	2719736-43-1
Molecular Formula:	C <sub>21</sub> H <sub>22</sub> N <sub>8</sub> O <sub>2</sub>
Molecular Weight:	418.45
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-5 is a potent inhibitor of DNA-PK. DNA-PK-IN-5 inhibits DNA-PKcs activity, thus greatly reducing tumor DNA repair and inducing cells to enter the apoptotic program. DNA-PK-IN-5 enhances the sensitivity of tumor tissues to radiotherapy, overcomes the problem of agent resistance, and enhances the inhibitory effect on a variety of solid tumors and hematological tumors (extracted from patent WO2021204111A1, compound 2)<sup>[1]</sup>.

## REFERENCES

[1]. Xinhai Chen, et al. Aminopyrimidine compounds and their derivatives as dna-pk inhibitors. Patent WO2021204111A1.

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

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