

## DNA-PK-IN-4

## Chemical Properties

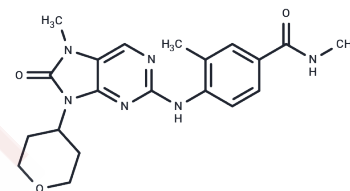
CAS No. : 2722645-10-3

Formula: C<sub>20</sub>H<sub>24</sub>N<sub>6</sub>O<sub>3</sub>

Molecular Weight: 396.44

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	DNA-PK-IN-4 (WO2021209055A1, compound 27), an imidazolinone derivative compound, is a highly effective inhibitor of DNA-PK, specifically targeting DNA-PKcs activity. By inhibiting DNA-PKcs, the compound significantly impairs tumor DNA repair mechanisms and triggers apoptosis in cells. With its potential application in cancer research, DNA-PK-IN-4 holds promise for further investigation [1].
Targets(IC50)	Others,DNA-PK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5224 mL	12.6122 mL	25.2245 mL
5 mM	0.5045 mL	2.5224 mL	5.0449 mL
10 mM	0.2522 mL	1.2612 mL	2.5224 mL
50 mM	0.0504 mL	0.2522 mL	0.5045 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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