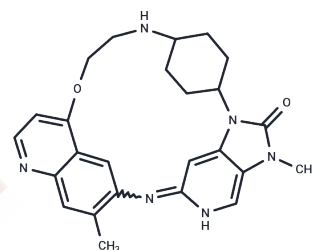


DNA-PK-IN-10

Chemical Properties

CAS No. :	2919315-89-0
Formula:	C ₂₅ H ₂₈ N ₆ O ₂
Molecular Weight:	444.53
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-10 is a DNA-PK inhibitor used in breast cancer and non-small cell lung cancer research [1].
Targets(IC50)	DNA-PK
In vitro	DNA-PK-IN-10 (Example 31) inhibits MDA-MB-468 cell viability with an IC50 of 11.2 nM [1].
In vivo	Administering DNA-PK-IN-10 (Example 31) at 30 mg/kg twice daily significantly inhibited tumor growth and exhibited good tolerability in mice inoculated with NCI-H1703 cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2496 mL	11.2478 mL	22.4957 mL
5 mM	0.4499 mL	2.2496 mL	4.4991 mL
10 mM	0.225 mL	1.1248 mL	2.2496 mL
50 mM	0.045 mL	0.225 mL	0.4499 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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