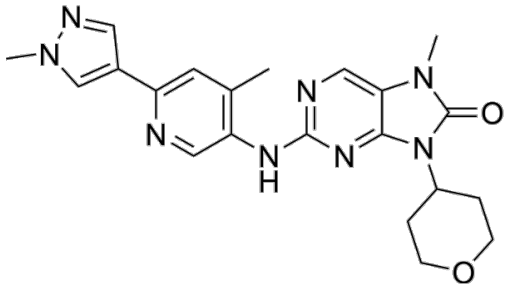
Product Data Sheet

Product Name: DNA-PK-IN-12
Cat. No.: GC74026

Chemical Properties

Cas. No.	2792146-91-7		
Formula	$C_{21}H_{24}N_8O_2$	M.Wt	420.47
Solubility	DMSO : 2 mg/mL (4.76 mM; ultrasonic and warming and heat to 60°C)	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

DNA-PK-IN-12 (compound 31t) is an oral active DNA-PK inhibitor with the IC_{50} of 0.1 nM. DNA-PK-IN-12 inhibits cell growth and Hct116 cell colony formation with the IC_{50} of 33.28 μM, and shows antitumor activity in vivo[1].

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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.

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

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