

QKY-613

## Chemical Properties

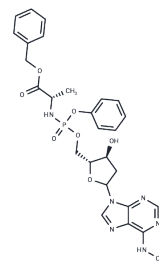
CAS No. : 2484713-92-8

Formula: C27H31N6O7P

Molecular Weight: 582.55

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	QKY-613 is a prodrug designed to enhance immune surveillance by targeting nucleic acid modification pathways. It selectively facilitates the incorporation of 6mdA (N6-methyl-deoxyadenosine) into viral DNA, boosting the DNA's phase separation potential and subsequently increasing cGAS activation levels to strengthen host immune surveillance. In mouse models of viral infection, QKY-613 significantly reduced mortality in aged mice. This compound holds promise for studying immune surveillance mechanisms based on nucleic acid modifications.
Targets(IC50)	Others,cGAS

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7166 mL	8.583 mL	17.1659 mL
5 mM	0.3433 mL	1.7166 mL	3.4332 mL
10 mM	0.1717 mL	0.8583 mL	1.7166 mL
50 mM	0.0343 mL	0.1717 mL	0.3433 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

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