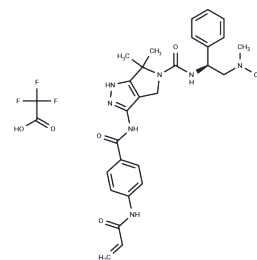


## YKL-5-124 TFA

## Chemical Properties

CAS No. :	2748220-93-9
Formula:	C30H34F3N7O5
Molecular Weight:	629.63
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	YKL-5-124 TFA, a potent and selective irreversible covalent inhibitor of CDK7, demonstrates IC50 values of 53.5 nM for CDK7 and 9.7 nM for the CDK7/Mat1/CycH complex. It exhibits over 100-fold selectivity for CDK7 over CDK9 and CDK2, while showing no activity against CDK12 and CDK13. This compound effectively induces cell-cycle arrest, inhibits E2F-driven gene expression, and has minimal impact on the phosphorylation status of RNA polymerase II.
Targets(IC50)	Others,CDK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5882 mL	7.9412 mL	15.8823 mL
5 mM	0.3176 mL	1.5882 mL	3.1765 mL
10 mM	0.1588 mL	0.7941 mL	1.5882 mL
50 mM	0.0318 mL	0.1588 mL	0.3176 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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