

## PKI(5-24) TFA

## Chemical Properties

CAS No. :

Formula: C<sub>94</sub>H<sub>148</sub>N<sub>32</sub>O<sub>31</sub>.C<sub>2</sub>H<sub>F</sub>3O<sub>2</sub>

Molecular Weight: 2336.4

Keep away from moisture

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	PKI(5-24) TFA is a synthetic peptide inhibitor of PKA (cAMP-dependent protein kinase) with potent and competitive inhibition properties, exhibiting a K <sub>i</sub> of 2.3 nM. It corresponds to residues 5-24 of the natural heat-stable protein kinase inhibitor [1][2].
Targets(IC50)	PKA

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.428 mL	2.140 mL	4.2801 mL
5 mM	0.0856 mL	0.428 mL	0.856 mL
10 mM	0.0428 mL	0.214 mL	0.428 mL
50 mM	0.0086 mL	0.0428 mL	0.0856 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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