

PKI (5-24) Acetate(99534-03-9 free base)

## Chemical Properties

CAS No. :

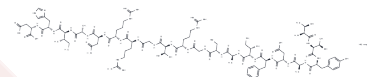
Formula: C<sub>96</sub>H<sub>152</sub>N<sub>32</sub>O<sub>33</sub>

Molecular Weight: 2282.43

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) Acetate is a high affinity PKA inhibitor (K <sub>i</sub> = 2.3 nM). |
| Targets(IC <sub>50</sub> ) | PKA  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | H <sub>2</sub> O: 2.5 mM, Sonication is recommended.<br>DMSO: Insoluble,<br>( < 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.4381 mL | 2.1906 mL | 4.3813 mL |
| 5 mM  | 0.0876 mL | 0.4381 mL | 0.8763 mL |
| 10 mM | 0.0438 mL | 0.2191 mL | 0.4381 mL |
| 50 mM | 0.0088 mL | 0.0438 mL | 0.0876 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.

Reference

- Cheng et al (1986) A potent synthetic peptide inhibitor of the cAMP-dependent protein kinase. J.Biol.Chem. 261 989  
PMID:
- Narayana et al (1997) Crystal structure of a polyhistidine-tagged recombinant catalytic subunit of cAMP-dependent protein kinase complexed with the peptide inhibitor PKI(5-24) and adenosine. Biochemistry 36 4438  
PMID:

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