

APN/AKT-IN-1

## Chemical Properties

CAS No. :

Formula: C18H27N7O3

Molecular Weight: 389.45

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   | APN/AKT-IN-1 is a potent dual inhibitor of aminopeptidase N (APN) and protein kinase B (AKT), with IC50 values of 0.21 $\mu$ M for APN and 0.27 $\mu$ M for AKT inhibition. The compound effectively suppresses the phosphorylation of glycogen synthase kinase 3 beta (GSK3 $\beta$ ), an intracellular substrate of AKT [1]. |
| Targets(IC50) | Others,Akt                                                                                                                                                                                                                                                                                                                     |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.5677 mL | 12.8386 mL | 25.6772 mL |
| 5 mM  | 0.5135 mL | 2.5677 mL  | 5.1354 mL  |
| 10 mM | 0.2568 mL | 1.2839 mL  | 2.5677 mL  |
| 50 mM | 0.0514 mL | 0.2568 mL  | 0.5135 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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