

AEP-IN-1

Chemical Properties

CAS No. :

Formula: C18H27N3O3

Molecular Weight: 333.43

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	APE-IN-1 can be used for the early diagnosis and drug research of Alzheimer's disease. APE-IN-1 is a potent Asparagine endopeptidase (AEP) inhibitor with IC 50 value of 89 nM [1].
Targets(IC50)	Others,Cysteine Protease
In vitro	APE-IN-1, when applied in concentrations ranging from 5-500 nM for a 24-hour period, does not influence the viability of L929 normal fibroblasts across the tested concentration spectrum [1]. This was determined using a cell viability assay conducted on L929 cells at varying concentrations of 5, 10, 50, 100, and 500 mM over an incubation period of 24 hours, indicating no detrimental effect on cell viability even at higher

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9991 mL	14.9957 mL	29.9913 mL
5 mM	0.5998 mL	2.9991 mL	5.9983 mL
10 mM	0.2999 mL	1.4996 mL	2.9991 mL
50 mM	0.060 mL	0.2999 mL	0.5998 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481