

## TAT peptide

## Chemical Properties

CAS No. :

Formula: C<sub>65</sub>H<sub>124</sub>N<sub>34</sub>O<sub>15</sub>

Molecular Weight: 1621.91

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	TAT peptide corresponds to the polycationic aa49-57 region of TAT protein. TAT peptide is a cell-penetrating peptide (CPP) used to cargo larger molecules through the lipophilic barrier of the cellular membranes to deliver them inside the cells with intact biological activity.
Targets(IC50)	HIV Protease

## Solubility Information

Solubility	H <sub>2</sub> O: 25 mg/mL (15.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6166 mL	3.0828 mL	6.1656 mL
5 mM	0.1233 mL	0.6166 mL	1.2331 mL
10 mM	0.0617 mL	0.3083 mL	0.6166 mL
50 mM	0.0123 mL	0.0617 mL	0.1233 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

Orzáez M, et al. Intrinsic caspase-8 activation mediates sensitization of erlotinib-resistant tumor cells to erlotinib/cell-cycle inhibitors combination treatment. Cell Death Dis. 2012 Oct 25;3:e415.

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