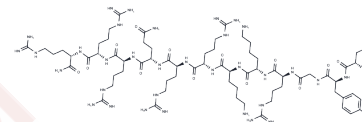


Cys-TAT(47-57)

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 583836-55-9 |
| Formula: | C67H124N34O14S |
| Molecular Weight: | 1661.99 |
| Storage: | Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|--|
| Description | Cys-TAT(47-57) (Cys-[HIV-Tat (47-57)]) is an arginine-rich cell-penetrating peptide derived from the HIV-1 transactivating protein, corresponding to the protein transduction domain of the TAT protein. |
| Targets(IC50) | HIV Protease |

Solubility Information

| | |
|------------|---|
| Solubility | H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.6017 mL | 3.0084 mL | 6.0169 mL |
| 5 mM | 0.1203 mL | 0.6017 mL | 1.2034 mL |
| 10 mM | 0.0602 mL | 0.3008 mL | 0.6017 mL |
| 50 mM | 0.012 mL | 0.0602 mL | 0.1203 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

Bertrand SJ, et al. HIV-1 Tat protein variants: critical role for the cysteine region in synaptodendritic injury. *Exp Neurol.* 2013 Oct;248:228-35.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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