

Cys-TAT(47-57) acetate(583836-55-9 Free base)

Chemical Properties

CAS No. :

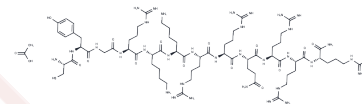
Formula: C69H128N34O16S

Molecular Weight: 1722.04

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	Cys-TAT(47-57) acetate is derived from the HIV-1 transactivating protein. Cys-TAT(47-57) acetate is an arginine rich peptide that can penetrate cells.
Targets(IC50)	HIV Protease

Solubility Information

Solubility	H2O: 115 mg/mL (66.78 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	0.5807 mL	2.9035 mL	5.8071 mL
5 mM	0.1161 mL	0.5807 mL	1.1614 mL
10 mM	0.0581 mL	0.2904 mL	0.5807 mL
50 mM	0.0116 mL	0.0581 mL	0.1161 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.

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