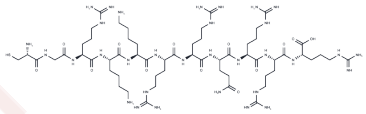
Data Sheet (Cat.No.T40719)

TargetMol

(Cys47)-HIV-1 tat Protein (47-57)

Chemical Properties



CAS No. : 627079-23-6

Formula: C58H114N32O13S

Molecular Weight: 1499.82

Storage: Keep away from moisture
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	(Cys47)-HIV-1 tat Protein (47-57) possesses membrane translocation functionality and can serve as a surface derivatization agent for magnetic pharmaceuticals, enhancing their uptake into specific target cells.
Targets(IC50)	HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6667 mL	3.3337 mL	6.6675 mL
5 mM	0.1333 mL	0.6667 mL	1.3335 mL
10 mM	0.0667 mL	0.3334 mL	0.6667 mL
50 mM	0.0133 mL	0.0667 mL	0.1333 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

Chumki Dalal, et al. Multivalency Effect of TAT-Peptide-Functionalized Nanoparticle in Cellular Endocytosis and Subcellular Trafficking. J Phys Chem B. 2017 Apr 13;121(14):2942-2951.
Ming Zhao, et al. Differential conjugation of tat peptide to superparamagnetic nanoparticles and its effect on cellular uptake. Bioconjug Chem. Jul-Aug 2002;13(4):840-4.

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