

TAT-PIET

Chemical Properties

CAS No. : 3036046-03-1

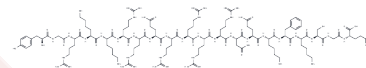
Formula: C110H192N48O27S

Molecular Weight: 2651.07

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-PIET, a cell-penetrating peptide, targets the extra-terminal (ET) domain of BRD4, disrupting the critical BRD4/JMJD6 protein complex interaction necessary for oncogene expression in breast cancer. By inhibiting BRD4/JMJD6 target gene expression, TAT-PIET effectively suppresses breast cancer cell growth and confers resistance to endocrine therapy in ER α -positive breast cancer cells, marking it as a potential inhibitor of breast cancer.
Targets(IC50)	Epigenetic Reader Domain

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3772 mL	1.886 mL	3.7721 mL
5 mM	0.0754 mL	0.3772 mL	0.7544 mL
10 mM	0.0377 mL	0.1886 mL	0.3772 mL
50 mM	0.0075 mL	0.0377 mL	0.0754 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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