

Tat-AKAP79 (326-336) TFA

Chemical Properties

CAS No. :

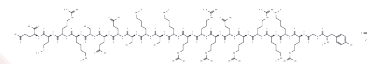
Formula: C117H211N49O34S.XCF3COOH

Molecular Weight: 2880.30

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-AKAP79 (326-336) is a peptide that links the HIV-1 Tat protein transduction domain with an 11-amino acid sequence from A-kinase anchor protein 79 (AKAP79). This compound effectively inhibits the activation-induced sensitization by protein kinase A (PKA) or PKC of the transient receptor potential vanilloid 1 (TRPV1) at a concentration of 200 μ M in isolated rat dorsal root ganglion (DRG) neurons. Additionally, it mitigates nocifensive behavior in mice elicited by formalin or phorbol 12-myristate 13-acetate (PMA014), enhances latency for paw withdrawal from radiant heat, and raises the mechanical threshold force required for paw withdrawal in a carrageenan-induced mouse model of inflammatory pain.
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Solubility Information

Solubility	H2O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3472 mL	1.7359 mL	3.4719 mL
5 mM	0.0694 mL	0.3472 mL	0.6944 mL
10 mM	0.0347 mL	0.1736 mL	0.3472 mL
50 mM	0.0069 mL	0.0347 mL	0.0694 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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