

Tat-CBD3A6K TFA

Chemical Properties

CAS No. :

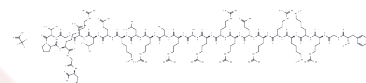
Formula: C137H250N60O32.XCF3COOH

Molecular Weight: 3249.80

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-CBD3A6K, a peptide derivative of the N-type voltage-gated calcium channel Cav2.2 and collapsin response mediator protein 2 (CRMP2) interaction inhibitor Tat-CBD3, has demonstrated efficacy in a rat model of antiretroviral neuropathic pain caused by stavudine (d4T). Administered at 10 mg/kg, it preserves paw withdrawal threshold, indicating pain relief, and reduces the number of action potentials in dorsal root ganglia (DRG) neurons from affected rats. Additionally, a 30 μ M/animal dural dose of Tat-CBD3A6K lessens meningeal blood flow escalation triggered by capsaicin, showcasing its potential in managing neuropathic pain and inflammation.

Solubility Information

Solubility

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3077 mL	1.5386 mL	3.0771 mL
5 mM	0.0615 mL	0.3077 mL	0.6154 mL
10 mM	0.0308 mL	0.1539 mL	0.3077 mL
50 mM	0.0062 mL	0.0308 mL	0.0615 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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