

## Tat-M2NX TFA

## Chemical Properties

CAS No. :

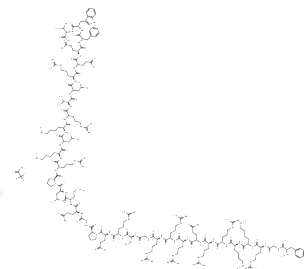
Formula: C190H323N71O45S.XCF3COOH

Molecular Weight: 4354.20

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

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Tat-M2NX, a peptide antagonist of transient receptor potential melastatin 2 (TRPM2), blocks hydrogen peroxide-induced calcium influx in HEK293 cells expressing human TRPM2 at concentrations between 25 to 100  $\mu$ M. In male mice models of stroke caused by middle cerebral artery occlusion (MCAO), Tat-M2NX (20 mg/kg) demonstrates efficacy in reducing brain infarct volume when applied before or 3 hours-post occlusion, yet it shows no such effect in female mice.

## Solubility Information

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

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2297 mL	1.1483 mL	2.2966 mL
5 mM	0.0459 mL	0.2297 mL	0.4593 mL
10 mM	0.023 mL	0.1148 mL	0.2297 mL
50 mM	0.0046 mL	0.023 mL	0.0459 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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Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481