

## F1 TFA

## Chemical Properties

CAS No. :

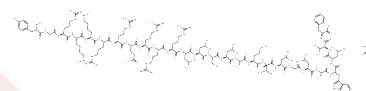
Formula: C145H246N48O31S.XCF3COOH

Molecular Weight: 3189.88

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	F1, an anti-inflammatory peptide, incorporates the HIV-1 Tat protein transduction domain linked with a 15-amino acid sequence from residues 46-60 of the inhibitor of NF-κB kinase-interacting peptide (IKIP). It effectively blocks LPS-induced phosphorylation of IκB kinase α (IKKα) and IKKβ, along with the nuclear translocation of NF-κB (p65) in mouse peritoneal macrophages at 5 μM concentration. F1, administered at 5 mg/kg in vivo, significantly reduces IL-6, TNF-α, and IL-1β serum levels and enhances survival in a mouse sepsis model induced by LPS.
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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	0.3135 mL	1.5675 mL	3.1349 mL
5 mM	0.0627 mL	0.3135 mL	0.627 mL
10 mM	0.0313 mL	0.1567 mL	0.3135 mL
50 mM	0.0063 mL	0.0313 mL	0.0627 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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