

## Tiger17 TFA

## Chemical Properties

CAS No. :

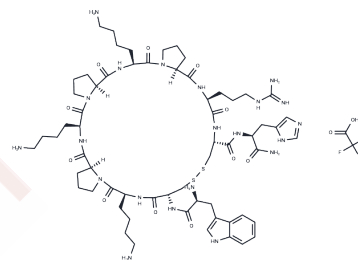
Formula: C62H97N21O11S2.XCF3COOH

Molecular Weight: 1376.70

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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Tiger17, a cyclic peptide derivative of tigerinin-RC1 and tigerinin-RC2—antimicrobial peptides from the crab-eating frog (*F. cancrivora*) skin secretions—enhances HaCaT keratinocytes and human skin fibroblasts proliferation at 5 to 20 µg/ml concentrations, and promotes HaCaT cell migration at 20 µg/ml. Additionally, Tiger17 augments RAW 264.7 macrophages' recruitment and secretion of TGF-β1 and IL-6. When topically applied at 20 µg/ml, it accelerates wound closure and re-epithelialization in a mouse model of full-thickness dermal wounds.

## 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	0.7264 mL	3.6319 mL	7.2637 mL
5 mM	0.1453 mL	0.7264 mL	1.4527 mL
10 mM	0.0726 mL	0.3632 mL	0.7264 mL
50 mM	0.0145 mL	0.0726 mL	0.1453 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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