

RW3 TFA

Chemical Properties

CAS No. :

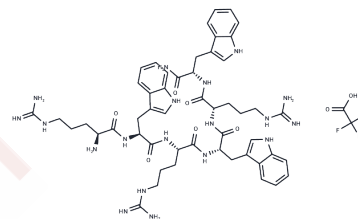
Formula: C₅₁H₆₉N₁₉O₆.XCF₃COOH

Molecular Weight: 1044.20

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

Description

RW3, an antimicrobial peptide, exhibits activity against *E. coli* and *S. aureus* with IC₅₀ values of 16 μM and 8 μM, respectively. Additionally, it induces hemolysis in isolated ovine erythrocytes.

Solubility Information

Solubility

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

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.9577 mL | 4.7884 mL | 9.5767 mL |
| 5 mM | 0.1915 mL | 0.9577 mL | 1.9153 mL |
| 10 mM | 0.0958 mL | 0.4788 mL | 0.9577 mL |
| 50 mM | 0.0192 mL | 0.0958 mL | 0.1915 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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