

Cathelicidin-2 (128-153) (chicken) TFA

Chemical Properties

CAS No. :

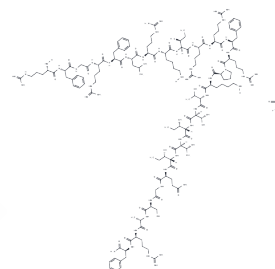
Formula: C147H245N51O30.XCF3COOH

Molecular Weight: 3206.90

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

Cathelicidin-2 (CATH-2) (128-153) is a synthetic antimicrobial peptide derived from amino acids 128-153 of chicken CATH-2, demonstrating activity against pathogens such as *E. coli*, *S. aureus*, *S. enteritidis*, and *B. globigii* in a dose-dependent manner. At a concentration of 40 μM , it induces hemolysis in chicken erythrocytes without exhibiting cytotoxicity towards human peripheral blood mononuclear cells (PBMCs). Additionally, it stimulates the production of the chemokine CCL2 and suppresses LPS-induced secretion of TNF- α , IL-6, IL-8, and IL-10 in human PBMCs.

Solubility Information

Solubility

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3118 mL	1.5591 mL	3.1183 mL
5 mM	0.0624 mL	0.3118 mL	0.6237 mL
10 mM	0.0312 mL	0.1559 mL	0.3118 mL
50 mM	0.0062 mL	0.0312 mL	0.0624 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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