

L-K6L9 TFA

Chemical Properties

CAS No. :

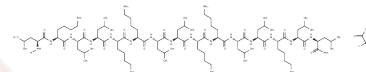
Formula: C90H174N22O15.XCF3COOH

Molecular Weight: 1804.48

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

L-K6L9, a cytolytic peptide comprised of L-isomer leucine and lysine, demonstrates cytotoxicity against both androgen-independent (LNCaP-CL1) and androgen-dependent (22Rv1 and LNCaP) human prostate cancer cells, with LC50 values of 4, 4, and 6 μ M, respectively. It also affects non-cancerous cells, including NIH3T3 mouse fibroblasts and OL human foreskin fibroblasts, with LC50s of 7 and 5 μ M, respectively. Furthermore, at a concentration of 100 μ M, L-K6L9 induces hemolysis in isolated human 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	0.5542 mL	2.7709 mL	5.5418 mL
5 mM	0.1108 mL	0.5542 mL	1.1084 mL
10 mM	0.0554 mL	0.2771 mL	0.5542 mL
50 mM	0.0111 mL	0.0554 mL	0.1108 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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