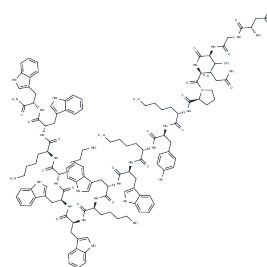


KT2

Chemical Properties

CAS No. : 1539295-32-3
 Formula: C126H165N31O20
 Molecular Weight: 2433.85
 Storage: Keep away from moisture
 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	KT2 is a cationic amphipathic antimicrobial peptide. It is capable of completely killing (E. coli) O157:H7 cells. KT2 exhibits strong antibiofilm activity, preventing the formation of E. coli O157:H7 biofilms. Additionally, KT2 effectively binds to LPS on bacterial surfaces, interacts with the lipids in liposomes, and displays high permeability, allowing it to penetrate bacterial cells and bind with DNA and other cytoplasmic membranes.
Targets(IC50)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4109 mL	2.0544 mL	4.1087 mL
5 mM	0.0822 mL	0.4109 mL	0.8217 mL
10 mM	0.0411 mL	0.2054 mL	0.4109 mL
50 mM	0.0082 mL	0.0411 mL	0.0822 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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481