

ε-Poly-L-lysine hydrochloride (MV 2000-5000)

Chemical Properties

CAS No. :

Formula: (C₆H₁₂N₂O.ClH)_n

Molecular Weight:

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	Epsilon-Poly-L-lysine hydrochloride (MV 2000-5000) is an antimicrobial peptide produced by bacteria such as Streptomyces. It effectively inhibits the growth of microorganisms like bacteria, yeast, and mold, making it a popular green food additive and preservative in various food and beverage products. This compound exhibits numerous properties, including thermal stability, acid resistance, and broad-spectrum antimicrobial activity. It can be loaded onto other materials to form nanoparticles or nanofiber membranes for targeted delivery, providing sustained antimicrobial effects. Epsilon-Poly-L-lysine hydrochloride (MV 2000-5000) is also used as a stabilizer for liposomes.
Targets(IC50)	Antibacterial

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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