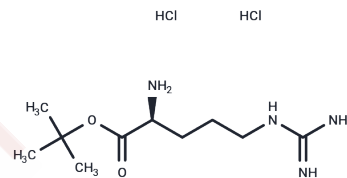


H-Arg-OtBu dihydrochloride

Chemical Properties

CAS No. :	87459-72-1
Formula:	C ₁₀ H ₂₄ Cl ₂ N ₄ O ₂
Molecular Weight:	303.23
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	H-Arg-OtBu (dihydrochloride) is a membrane-targeting antimicrobial that interacts with the negatively charged bacterial membrane through electrostatic and hydrophobic interactions, making it useful for bacterial infection disease research [1].
Targets(IC50)	Antibiotic
In vivo	H-Arg-OtBu (dihydrochloride) (0.3% solutions, thrice daily) showed no signs of corneal inflammation or inflammatory response in rabbit corneal wound healing models and was effective against Staphylococcus aureus and MRSA when administered five times daily in a mouse corneal infection model [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2978 mL	16.4891 mL	32.9783 mL
5 mM	0.6596 mL	3.2978 mL	6.5957 mL
10 mM	0.3298 mL	1.6489 mL	3.2978 mL
50 mM	0.066 mL	0.3298 mL	0.6596 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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