

Polyhexamethyleneguanidine hydrochloride

Chemical Properties

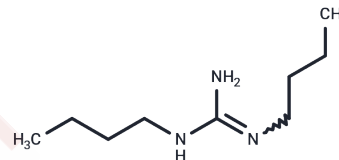
CAS No. : 57028-96-3

Formula: C₉H₂₁N₃

Molecular Weight: 171.288

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	Polyhexamethyleneguanidine (PHMGH) hydrochloride, a positively charged polymer, demonstrates broad-spectrum antimicrobial activity. It achieves its antibacterial effects by attaching to and disrupting the cell membranes of bacteria and fungi. This compound is utilized in research concerning disinfection, water treatment, pesticides, and various other applications.
Targets(IC50)	Antibacterial, Antibiotic, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8381 mL	29.1903 mL	58.3805 mL
5 mM	1.1676 mL	5.8381 mL	11.6761 mL
10 mM	0.5838 mL	2.919 mL	5.8381 mL
50 mM	0.1168 mL	0.5838 mL	1.1676 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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