

Voxvoganan trihydrochloride

Chemical Properties

CAS No. :

Formula: C43H72Cl3N11O3

Molecular Weight: 897.46

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	Voxvoganan (LTX-109) trihydrochloride is a topical antimicrobial with high efficacy against <i>S. aureus</i> , exhibiting a MIC range of 2 to 4 µg/mL. It is used in research for treating bacterial skin infections, fungal infections, and nasal decolonization of MRSA [1] [2].
Targets(IC50)	Others,Antibacterial,Antifungal
In vitro	Voxvoganan trihydrochloride (LTX-109) is a chemically synthesized, first-in-class antimicrobial agent with a membrane-lysing mechanism similar to innate immune effector lytic peptides. It rapidly exhibits broad-spectrum bactericidal effects targeting the cell walls of various <i>S. aureus</i> strains, including multidrug-resistant ones [2]. Topically applied, it has a favorable safety profile, minimal bioavailability, and is effective against both mupirocin-susceptible and -resistant <i>Staphylococcus aureus</i> [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1143 mL	5.5713 mL	11.1426 mL
5 mM	0.2229 mL	1.1143 mL	2.2285 mL
10 mM	0.1114 mL	0.5571 mL	1.1143 mL
50 mM	0.0223 mL	0.1114 mL	0.2229 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