

Octenidine (dihydrochloride)

Catalog No: tcsc6224



Available Sizes

Size: 200mg

Size: 1g

Size: 5g



Specifications

CAS No:

70775-75-6

Formula:

$C_{36}H_{64}Cl_2N_4$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

DMSO : 8.2 mg/mL (13.14 mM; Need ultrasonic and warming)

Observed Molecular Weight:

623.83

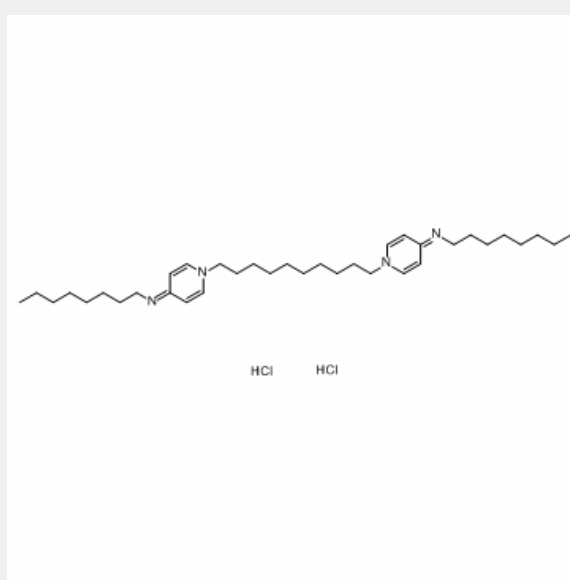
Product Description

Octenidine dihydrochloride is an effective antiseptic compound for skin mucous membranes and wounds.

In Vitro: Octenidine concentrations of less than 1.5 μ M (0.94 μ g/mL) causes a greater than 99% reduction of tested microbial

population within 15 min. Staphylococcus epidermidis is the most susceptible of the test organisms, and E. coli and C. albicans are the least susceptible^[1].

In Vivo: The antimicrobial activity of octenidine hydrochloride (OCT) is maintained when applied to the skin of the hands and feet of cynomolgus monkeys. Aqueous octenidine, at a concentration of 0.2 to 1.6% reduces resident microflora populations from 90 to 99.98%^[1]. A significant reduction in plaque score is observed on the buccal tooth surfaces after daily topical application of 1% solutions of octenidine and chlorhexidine for 7 d; octenidine is more effective than chlorhexidine^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!