



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 5418695

Fax: (0086) 551 5418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Technical Data Sheet

Chlorhexidine hydrochloride

Product Information

Chemical Name Chlorhexidine hydrochloride

CAS # 3697-42-5

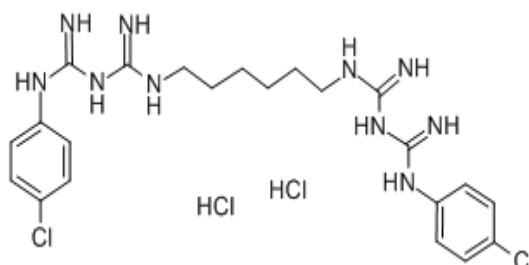
Formula C₂₂H₃₂Cl₄N₁₀

Molecular Weight 578.37

Synonyms

1,1'-hexamethylenebis(5-(p-chlorophenyl)-biguaniddihydrochloride;2,4,11,13-tetraazatetradecanediimidamide,n,n''-bis(4-chlorophenyl)-3,12-diimin;2,4,11,13-Tetraazatetradecanediimidamide,N,N''-bis(4-chlorophenyl)-3,12-diimino-,dihydrochloride;ArlacideH;Biguanide,1,1'-hexamethylenebis[5-(p-chlorophenyl)-,dihydrochloride;Chlorhexidiniumdichloride;NSC-185;NARAMYCIN A

Chemical Structure



Description

This product is a white or almost white crystalline powder, odorless, bitter taste, disinfection antiseptics drugs, with quite a strong broad-spectrum antimicrobial, bactericidal effect, to gram-positive bacteria and gram-negative bacteria are effective. Used in hand, apparatus and instruments, wound, skin disinfection, etc.

Physical Properties

Slightly dissolving in water or ethanol, solubility in water of 0.06.

When melting point: 255 ~ 259 °C, melting and decomposition.

Specification

Item

Pharma grade

Appearance

White or almost white crystalline powder, odorless, bitter taste

Assay (on dry basis), %	≥ 98.0
Loss on drying,%	≤ 1.0
Residue on ignition,%	≤ 0.3

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

Fungicide used as surface activity, has quite a strong broad-spectrum antimicrobial, bactericidal effect, to gram-positive bacteria and gram-negative bacteria are effective

Packaging

25kg per fiber drum
7mt per 20ft container

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.
Store in a cool, dry, well-ventilated area away from incompatible substances.
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.
Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 5418695
Fax: (0086) 551 5418697
Email: info@tnjchem.com
Site: www.tnjchem.com