

Product datasheet

Chlorhexidine hydrochloride, Matrix metalloproteinase (MMP) inhibitor ab145702

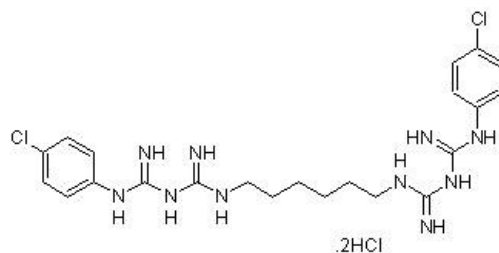
Overview

Product name	Chlorhexidine hydrochloride, Matrix metalloproteinase (MMP) inhibitor
Description	Antiseptic; Matrix metalloproteinase inhibitor.
Biological description	Antiseptic effective against a wide variety of gram-negative and gram-positive organisms, used in antiseptics and dental products. Bacteriostatic and bactericidal activity due to outer bacterial membrane disruption. Directly inhibits Matrix metalloproteinases MMP-2, MMP-8, and MMP-9 possibly via a cation-chelating mechanism.

Purity > 99%

CAS Number 3697-42-5

Chemical structure



Properties

Chemical name	<i>N</i> ¹ , <i>N</i> ¹⁴ -Bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediiimidamide hydrochloride
Molecular weight	578.37
Molecular formula	C ₂₂ H ₃₀ Cl ₂ N ₁₀ ·2HCl
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions

(FAQ) page for more details.

Source

Synthetic

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