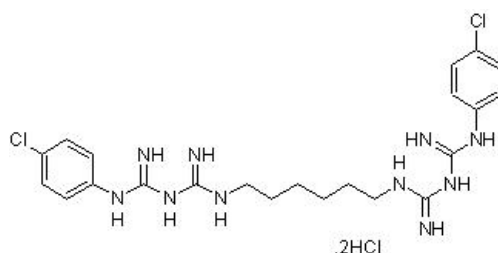


## Product datasheet

# Chlorhexidine hydrochloride, Matrix metalloproteinase (MMP) inhibitor ab145702

### Overview

<b>Product name</b>	Chlorhexidine hydrochloride, Matrix metalloproteinase (MMP) inhibitor
<b>Description</b>	Antiseptic; Matrix metalloproteinase inhibitor.
<b>Biological description</b>	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.
<b>Purity</b>	> 99%
<b>CAS Number</b>	3697-42-5
<b>Chemical structure</b>	



### Properties

<b>Chemical name</b>	<i>N</i> <sup>1</sup> , <i>N</i> <sup>14</sup> -Bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediiimidamide hydrochloride
<b>Molecular weight</b>	578.37
<b>Molecular formula</b>	C <sub>22</sub> H <sub>30</sub> Cl <sub>2</sub> N <sub>10</sub> ·2HCl
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM
<b>Handling</b>	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 <a href="#">frequently asked questions</a>

(FAQ) page for more details.

**Source**

Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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