

## Hexetidine

## Chemical Properties

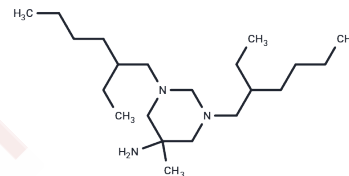
CAS No. : 141-94-6

Formula: C<sub>21</sub>H<sub>45</sub>N<sub>3</sub>

Molecular Weight: 339.61

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Hexetidine (NSC-17764) is a bactericidal and fungicidal antiseptic. It is used as a 0.1% mouthwash for local infections and oral hygiene.
Targets(IC50)	Antibacterial,Antifungal

## Solubility Information

Solubility	DMSO: 75 mg/mL (220.84 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.89 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9446 mL	14.7228 mL	29.4455 mL
5 mM	0.5889 mL	2.9446 mL	5.8891 mL
10 mM	0.2945 mL	1.4723 mL	2.9446 mL
50 mM	0.0589 mL	0.2945 mL	0.5889 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.

Reference

Afennich F, et al. Int J Dent Hyg. 2011 Aug;9(3):182-90.

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