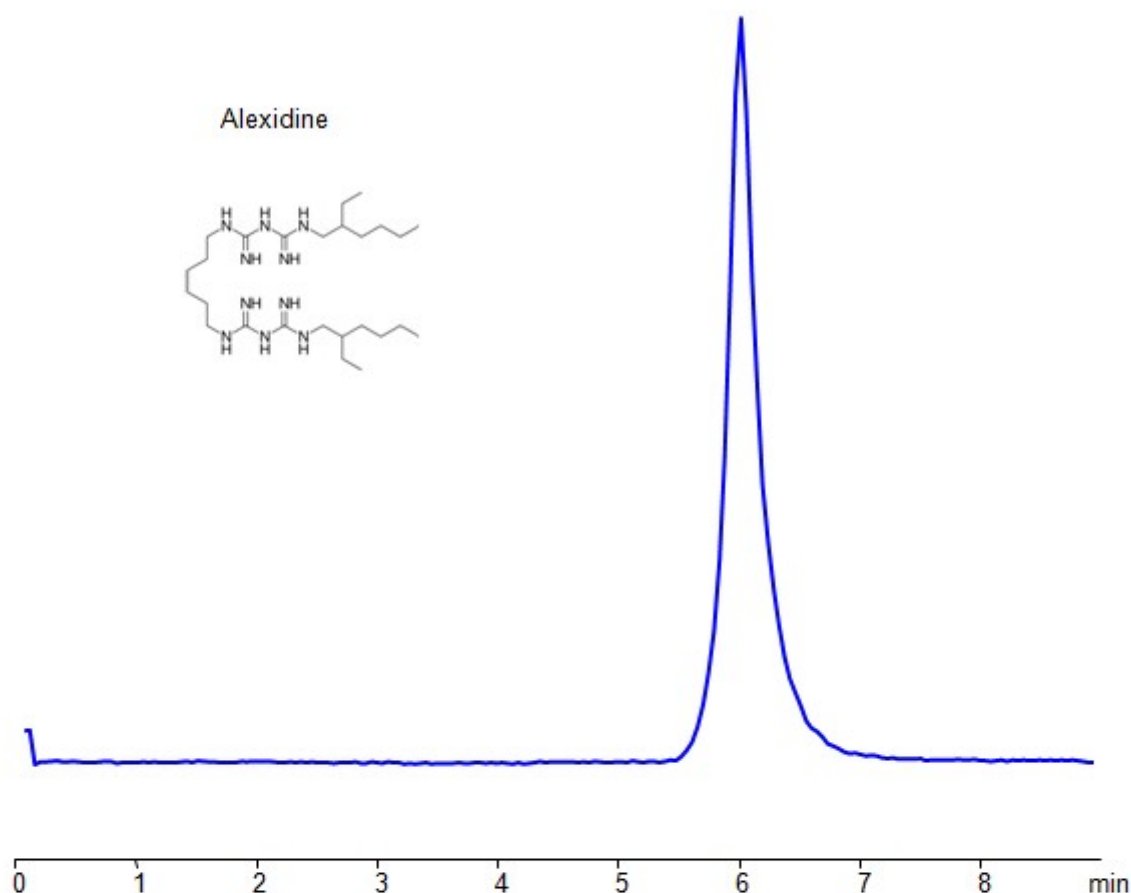


HPLC MS Method for Analysis of Alexidine on Primesep N Column

<https://sielc.com/hplc-ms-determination-of-alexidine>

Chromatogram



Column:	Primesep N
Column size:	2.1 × 100 mm, 5 µm
Column part number:	N-21.100.0510
Mobile phase:	MeCN/H ₂ O – 85/15%
Buffer:	Ammonium Formate pH 3.0 – 10 mM
Flow rate:	0.2 mL/min
Sample:	0.05 mg/ml in MeCN/H ₂ O – 50/50%
Injection volume:	1 µl
Detection:	SIM 255+, 509+
LOD:	20 ppb

Description

· Separation type: Liquid Chromatography Reversed-phase · HPLC Method for Analysis of Alexidine on Primesep N Column by SIELC Technologies

Alexidine is a chemical compound that belongs to the class of bis-biguanide antiseptics and has the chemical formula C₂₆ H₅₆ N₁₀. It is known for its antimicrobial properties and is used in various products for disinfection and antiseptic purposes. Alexidine has broad-spectrum antimicrobial activity, and it is commonly used in healthcare settings for its effectiveness against bacteria, fungi, and some viruses. In some formulations, alexidine is used as a topical antiseptic to disinfect skin and mucous membranes. It is found in some mouthwashes, oral care products, contact lens solutions, and more. It may be included in certain wound care products for its ability to prevent infection. You can find detailed UV spectra of Alexidine and information about its various lambda maxima by visiting the following link.

Alexidine can be retained and analyzed on a Primesep N mixed-mode stationary phase column using an analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and an ammonium formate as a buffer. This analysis method can be detected using LC MS.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 85/15%
Buffer	Ammonium Formate pH 3.0 – 10 mM
Flow Rate	0.2 ml/min
Detection	SIM 255+, 509+
Class of Compounds	Bis-biguanide
Analyzing Compounds	Alexidine

HPLC Column Used

Primesep N, 2.1 x 100 mm, 5 µm, 100 Å, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)