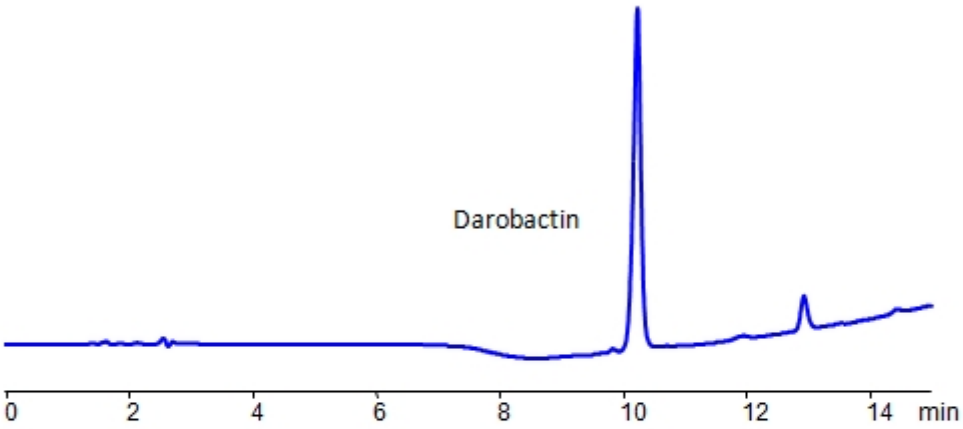
HPLC Determination of Darobactin on Primesep Columns

https://sielc.com/hplc-determination-of-darobactin-2

Chromatogram



Column:	Primesep SB
Column size:	2.1 × 150 mm, 5 µm
Mobile phase:	Gradient MeCN – 2 - 60 % 15 min
Buffer:	Ammonium Formate - 10 mM pH 3.0
Flow rate:	0.2 ml/min
UV Detection:	280 nm

HPLC Determination of Darobactin on Primesep SB Column_1213

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Darobactin

The compound was discovered in Photorhabdus bacteria in 2019, living in the digestive systems of entomopathogenic nematodes. Researchers identified the nematode as a possible host because they feed on insects by targeting their larvae and releasing bacteria that then confront pathogens similar to those found in humans.

In experiments, it cured mice of Escherichia coli and Klebsiella pneumoniae infections, without toxic side effects.

Method Parameters

Mobile Phase	Gradient MeCN
Buffer	Ammonium Formate pH 3.0
Flow Rate	0.2 ml/min
Detection	UV 280 nm
Class of Compounds	Antibiotic
Analyzing Compounds	Darobactin

HPLC Column Used

Primesep SB, 2.1 x 150 mm, 5 µm, 100 A, dual ended
Order this column at hplc-shop.de →