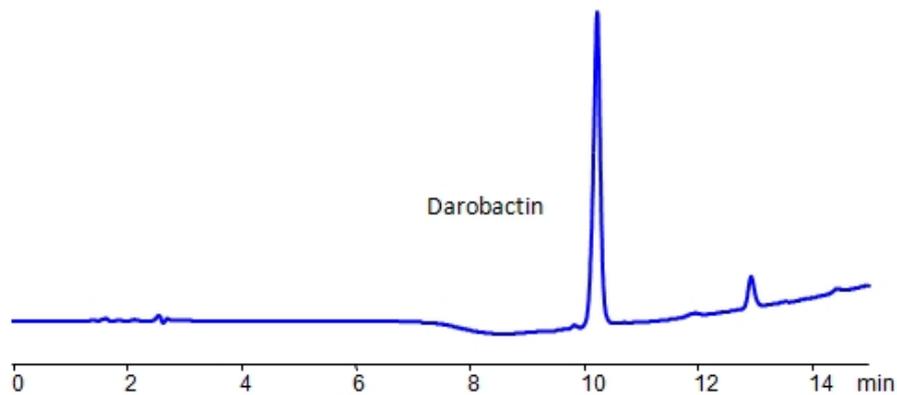


HPLC Determination of Darobactin on Primesep Columns



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

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

The compound was discovered in *Photobacterium* 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

Column	Primesep SB, 2.1 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeCN
Buffer	Ammonium Formate pH 3.0
Flow Rate	0.2 mL/min
Detection	UV 280 nm

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