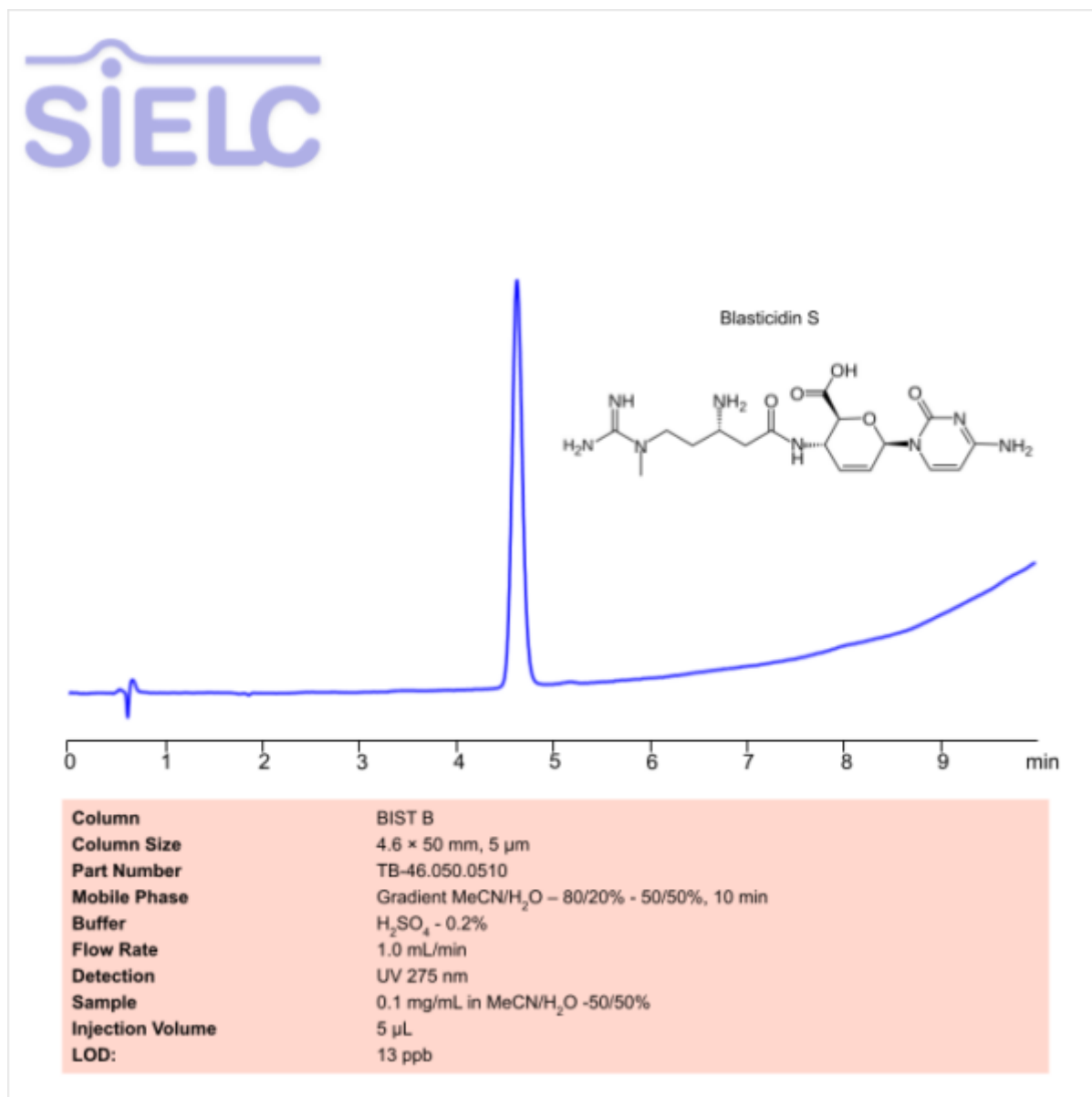


HPLC Method for Analysis of Blasticidin S on BIST B Column

<https://sielc.com/hplc-analysis-of-blasticidin-s>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Blasticidin-S

Blasticidin S is an antibiotic with the chemical formula C₁₇ H₂₆ N₈ O₅. It is primarily used in biology research for selecting cells of interest among cell cultures. It works through disrupting protein translation within human cells, fungi, and bacteria due to its resemblance to cytidine. You can find detailed UV spectra of Blasticidin-S and information about its various lambda maxima by visiting the following link.

Blasticidin-S can be retained and analyzed using the BIST B stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of acetonitrile (MeCN). Detection is performed using UV.

Method Parameters

Mobile Phase

Gradient MeCN/H₂O – 80/20 – 50/50 %, 10 min

Buffer	Sulfuric Acid – 0.2%
Flow Rate	1.0 ml/min
Detection	UV 275nm
Limit of Detection*	13 ppb
Class of Compounds	Antibiotic
Analyzing Compounds	Blasticidin-S

HPLC Column Used

BIST B, 4.6 x 50 mm, 5 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](#)