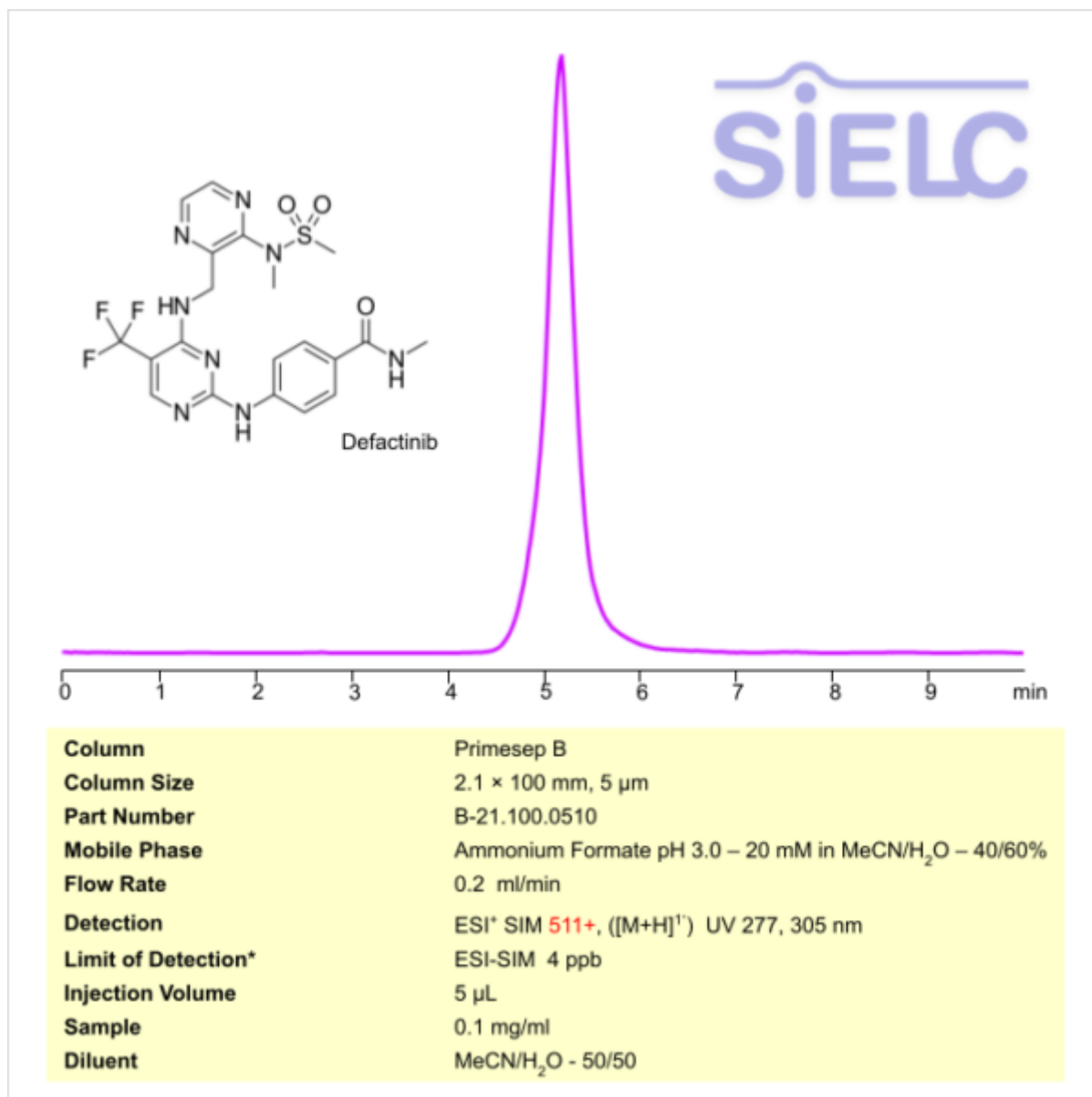


LC MS-HPLC Method for Analysis of Defactinib on Primesep B Column

<https://sielc.com/lc-ms-hplc-separation-of-defactinib>

Chromatogram



Description

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

Defactinib is a focal adhesion kinase (FAK) inhibitor with the chemical formula C₂₀H₂₁F₃N₈O₃S. It was developed by Pfizer as potential treatment for solid tumors. You can find detailed UV spectra of Defactinib and information about its various lambda maxima by visiting the following link.

Defactinib can be retained and analyzed using the Primesep B stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a ammonium format as a buffer. Detection is performed using ESI+Sim and UV.

Method Parameters

Mobile Phase

MeCN/H₂O – 40/60 %

Buffer	AmFm pH 3.0 – 20 mM
Flow Rate	0.2 ml/min
Detection	ESI+SIM 511+, ([M+H] ¹⁺) UV 277, 305 nm
LOD*	ESI-SIM 4 ppb
Class of Compounds	Inhibitor
Analyzing Compounds	Defactinib

HPLC Column Used

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

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