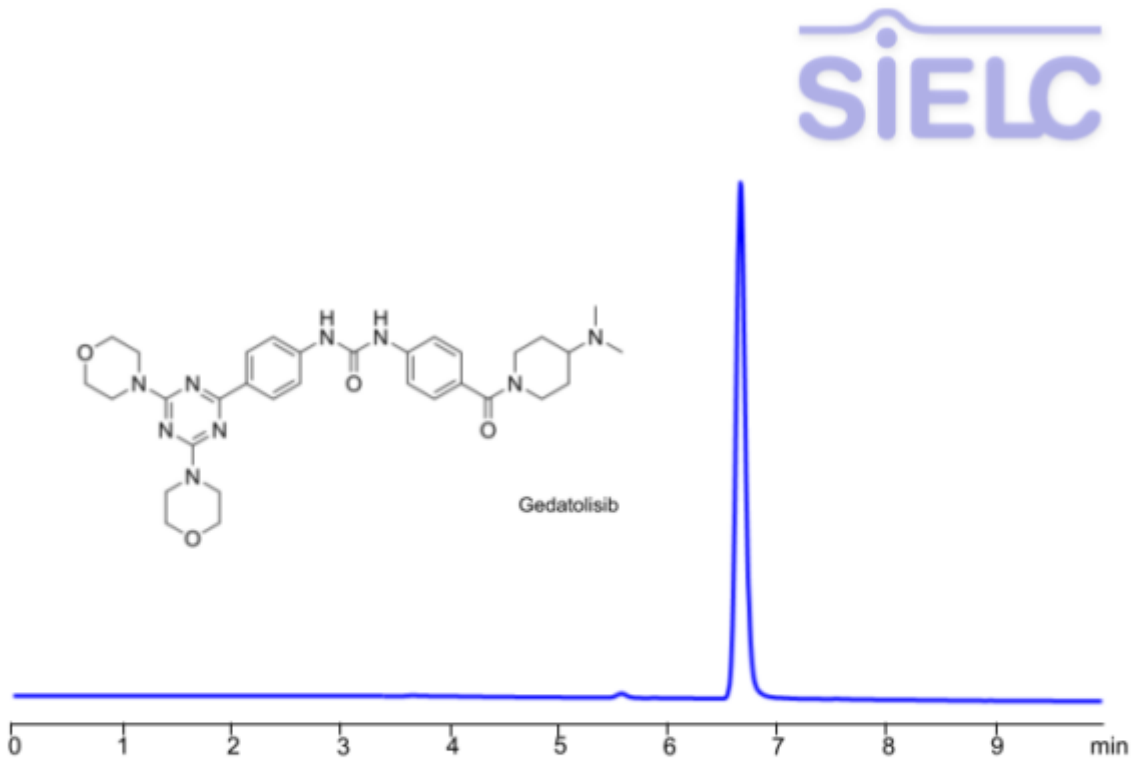
HPLC Method for Analysis of Gedatolisib on Chromni Column

https://sielc.com/hplc-ms-analysis-of-gedatolisib

Chromatogram



Column	Chromni™ (coated)
Column Size	4.6 × 150 mm, 3 µm
Part Number	CHR-46.150.0310.C
Mobile Phase	Gradient MeCN/H_2O – 90% – 70% in 10 min
Buffer	H_2SO_4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV 200 nm, 320 nm
Injection Volume	1.0 µL
Sample	0.467 mg/ml 1% FA in MeCN/H_2O
LOD*	15.8 ppb (200 nm), 18.2 (320 nm)

Description

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

Gedatolisib is an anti-cancer medication with the chemical formula C 32 H 41 N 9 O 4 . It is used as treatment for breast cancer. It works as a kinase inhibitor through binding the different p110 catalytic subunit isoforms of PI3K and the kinase site of mTOR

Gedatolisib can be retained and analyzed using the Chromni stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of water and acetonitrile (MeCN) with an sulfuric acid as a buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	Gradient MeCN – 90 – 70%, 10 min

Buffer	H2SO4 – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 200 nm, 320 nm
Class of Compounds	Drug
Analyzing Compounds	Gedatolisib

HPLC Column Used

Chromni, 4.6 x 150 mm, 3 µm, 100 A, surface coated

Order this column at hplc-shop.de →