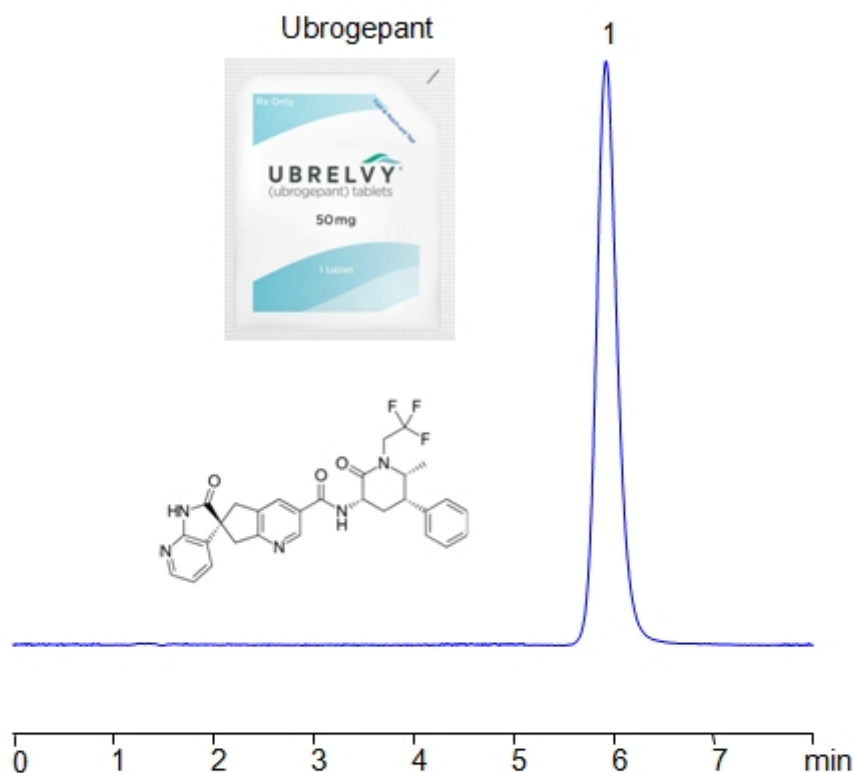


HPLC Method For Analysis Of Ubrogapant in UBRELVI® Tablets on Newcrom R1 Column

<https://sielc.com/hplc-method-for-analysis-of-ubrogapant-in-ubrelvy-tablets>

Chromatogram



Column:	Newcrom R1
Column size:	2.1 × 100 mm, 3 µm
Column part number:	NR1-21.100.0310
Mobile phase:	MeCN/H ₂ O – 40/60%
Buffer:	H ₂ SO ₄ – 0.1%
Flow rate:	0.2 mL/min
UV detection:	285 nm

Description

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

Ubrogapant , also known as Ubelvy®, is a newly discovered, calcitonin gene-related peptide receptor (CGPR) antagonist with the chemical formula C₂₉ H₂₆ F₃ N₅ O₃ . It is used for the acute treatment of migraine headaches. It is the first Calcitonin gene-related peptide (CGRP) receptor antagonist approved for the acute treatment of migraine.

Ubrogapant can be retained and analyzed using the Newcrom R1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a sulfuric acid buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 40/60%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	0.2 ml/min
Detection	UV 285 nm
Class of Compounds	Drug
Analyzing Compounds	Ubrogepant

HPLC Column Used

Newcrom R1, 2.1 x 100 mm, 3 µm, 100 A, dual ended

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