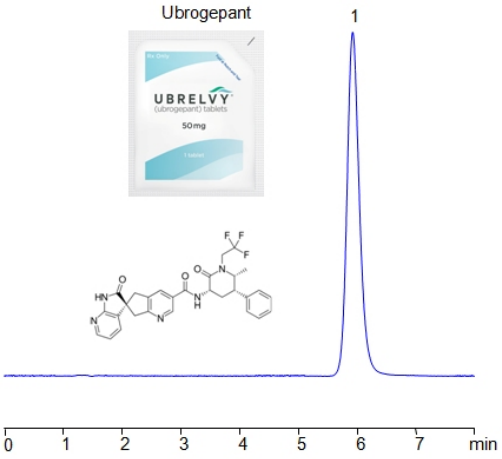
HPLC Method For Analysis Of Ubrogepant in UBRELVY® Tablets on Newcrom R1 Column



Column:	Newcrom R1
Column size:	2.1 × 100 mm, 3 µm
Column part number:	NR1-21.100.0310
Mobile phase:	MeCN/H_2O – 40/60%
Buffer:	H_2SO_4 – 0.1%
Flow rate:	0.2 mL/min
UV detection:	285 nm

Ubrogepant, also known as Ubrelvy®, is a newly discovered, calcitonin gene-related peptide receptor (CGPR) antagonist that is used for the acute treatment of migraine headaches. Ubrogepant can be retained and analyzed on a Newcrom R1 mixed-mode column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and no buffer. This analysis method can be UV detected at 285 nm with high resolution and peak symmetry.

The Newcrom columns are a family of reverse-phase-based columns. Newcrom A , AH , B , and BH are all mixed-mode columns with either positive or negative ion-pairing groups attached to either short (25 Å) or long (100 Å) ligand chains. Newcrom R1 is a special reverse-phase column with low silanol activity.

Quelle: https://sielc.com/hplc-method-for-analysis-of-ubrogepant-in-ubrelvy-tablets

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