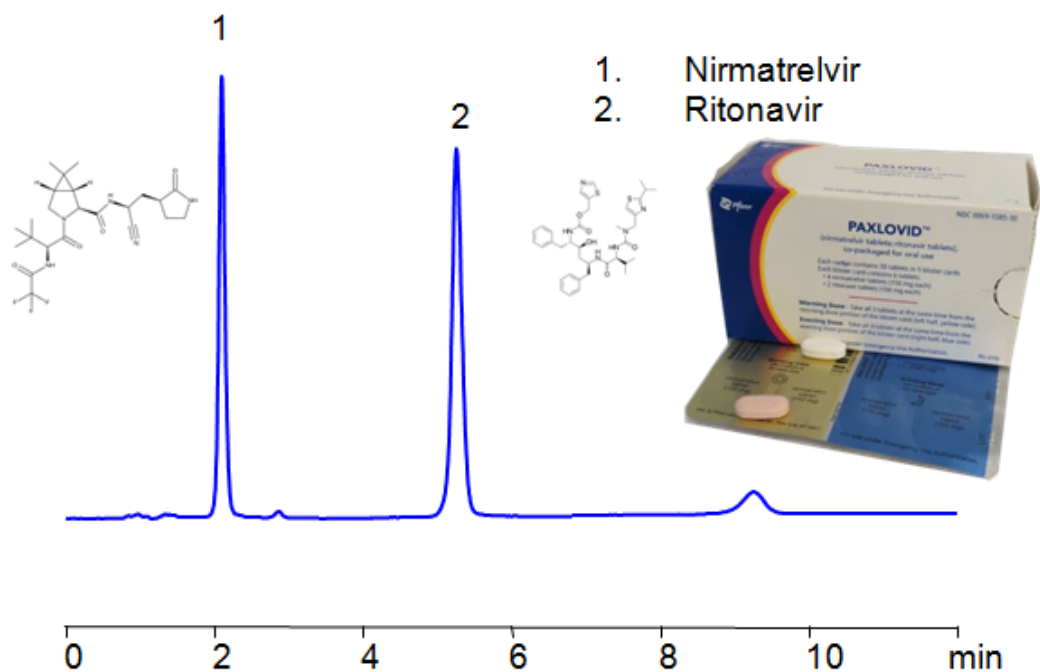


HPLC Method for Analysis of Nirmatrelvir and Ritonavir in Paxlovid Tablets on Primesep 100 Column

<https://sielc.com/hplc-method-for-analysis-of-nirmatrelvir-and-ritonavir-in-paxlovid-tablets>

Chromatogram



Column:	Primesep 100
Column size:	3.2 × 100 mm, 5 µm
Column part number:	100-32.100.0510
Mobile phase:	Gradient MeCN – 50-70%, 7 min, 3 min hold
Buffer:	H ₂ SO ₄ – 0.5%
Flow rate:	0.5 mL/min
Detection:	UV 210 nm

Description

· Separation type: Liquid Chromatography Mixed-mode · High Performance Liquid Chromatography (HPLC) Method for Analysis of Nirmatrelvir and Ritonavir

Method Parameters

Mobile Phase	Gradient MeCN – 50-70%
Buffer	H ₂ SO ₄ – 0.5%
Flow Rate	0.5 ml/min

Detection	UV 210nm
Class of Compounds	Drug
Analyzing Compounds	Nirmatrelvir, Ritonavir

HPLC Column Used

Promesep 100, 3.2x100 mm, 100A