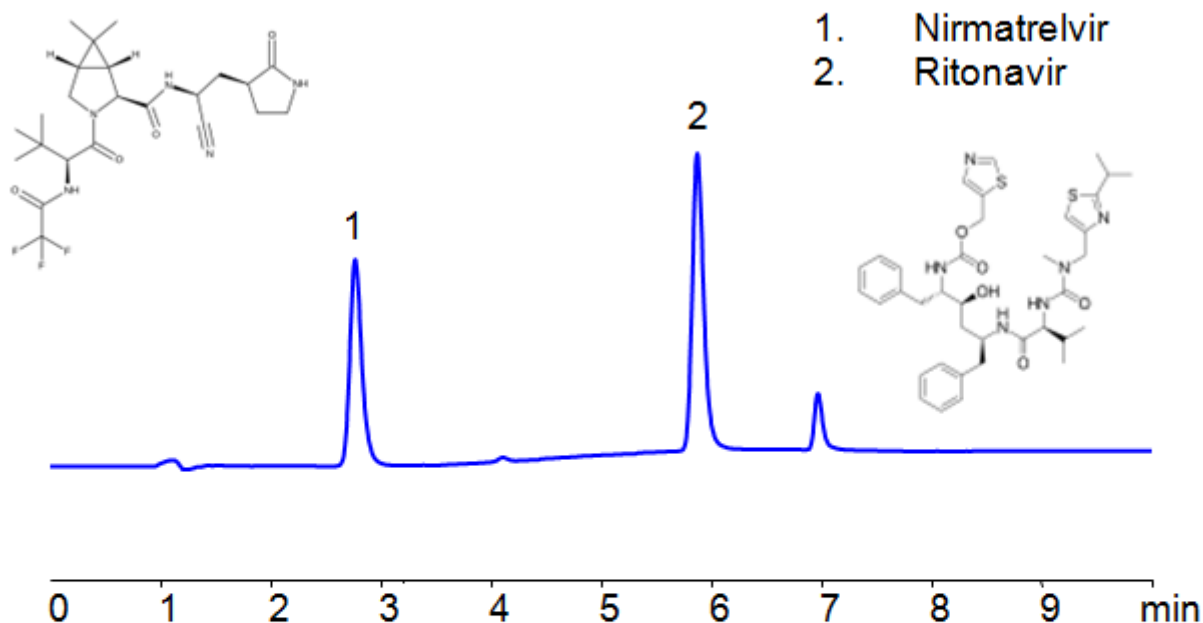


HPLC Method for Analysis of Nirmatrelvir and Ritonavir in Paxlovid Tablets on Primesep P column

<https://sielc.com/hplc-method-for-analysis-of-nirmatrelvir-and-ritonavir-in-paxlovid-tablets-2>

Chromatogram



Column:	Primesep P
Size:	3.2 x 100mm, 5µm, 100A
Mobile phase:	MeCN gradient 40-75% in 5 min, 3 min hold
Buffer:	HClO ₄ -0.5%
Flow:	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 – 40-75%
Buffer	HClO ₄ – 0.5%
Flow Rate	0.5 ml/min

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

HPLC Column Used

Promesep P, 3.2×100 mm, 100A