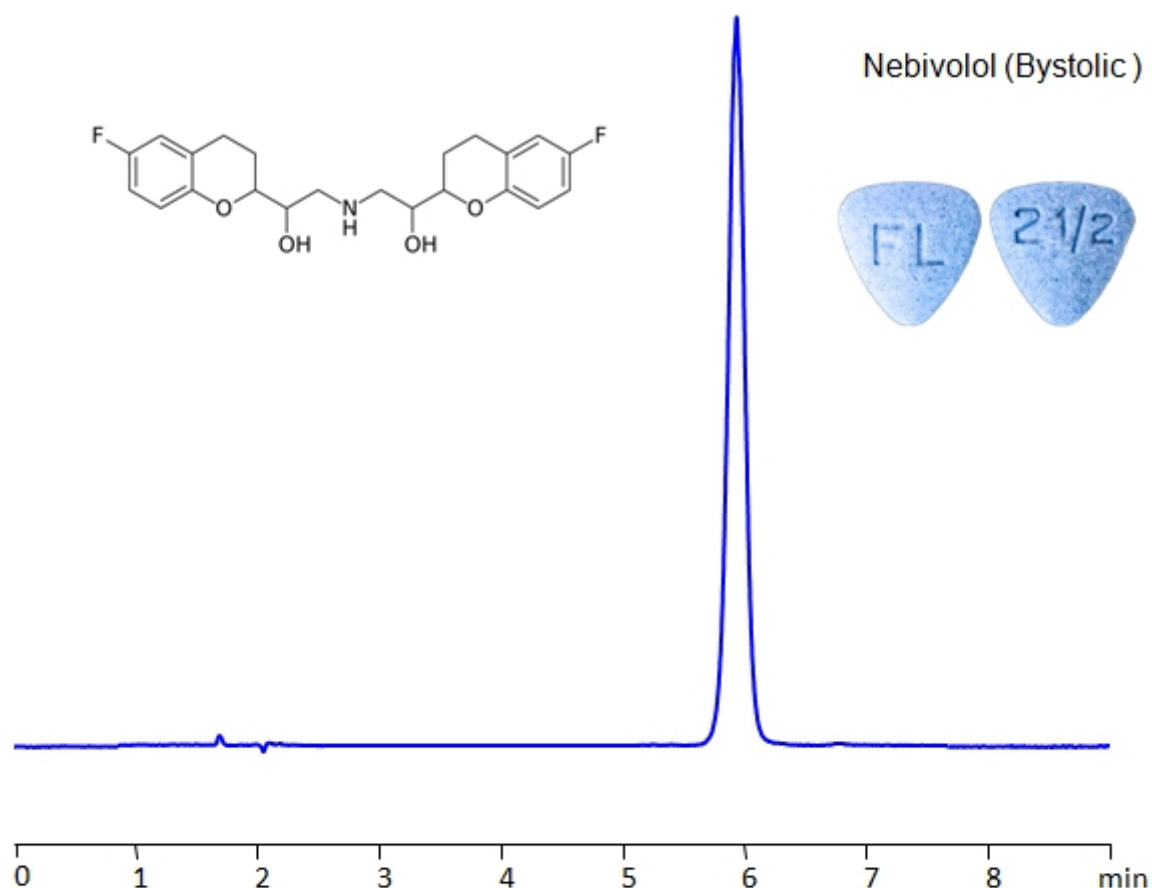


HPLC Method for Nebivolol Analysis in Bystolic Tablet Dosage Form on Primesep SB Column

<https://sielc.com/hplc-method-for-nebivolol>

Chromatogram



Column:	Primesep SB
Column size:	4.6 × 150 mm, 3 µm
Column part number:	SB-46.150.0310
Mobile phase:	MeCN/H ₂ O – 25/75%
Buffer:	H ₂ SO ₄ – 0.1%
Flow rate:	1.0 mL/min
Detection:	UV 285 nm

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Nebivolol , Bystolic .

Nebivolol is a beta-blocker with the chemical formula C₂₂H₂₅F₂N₂O₄. It is an oral medication used to treat high blood pressure, but is not preferred to alternatives. Side effects of it include dizziness, fatigue, nausea, and headaches. You can find detailed UV spectra of Nebivolol , Bystolic and information about its various lambda maxima by visiting the following link.

Nebivolol can be retained in HPLC on Primesep SB reverse-phase (RP) mixed-mode column with embedded strong basic ion-pairing groups, using an isocratic analytical method with a simple mobile phase of water, acetonitrile (MeCN, ACN), and sulphuric acid (H₂SO₄) buffer. UV detection at 285 nm.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 25/75%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 285 nm
Class of Compounds	Drug
Analyzing Compounds	Nebivolol, Bystolic

HPLC Column Used

(Column variation not found)