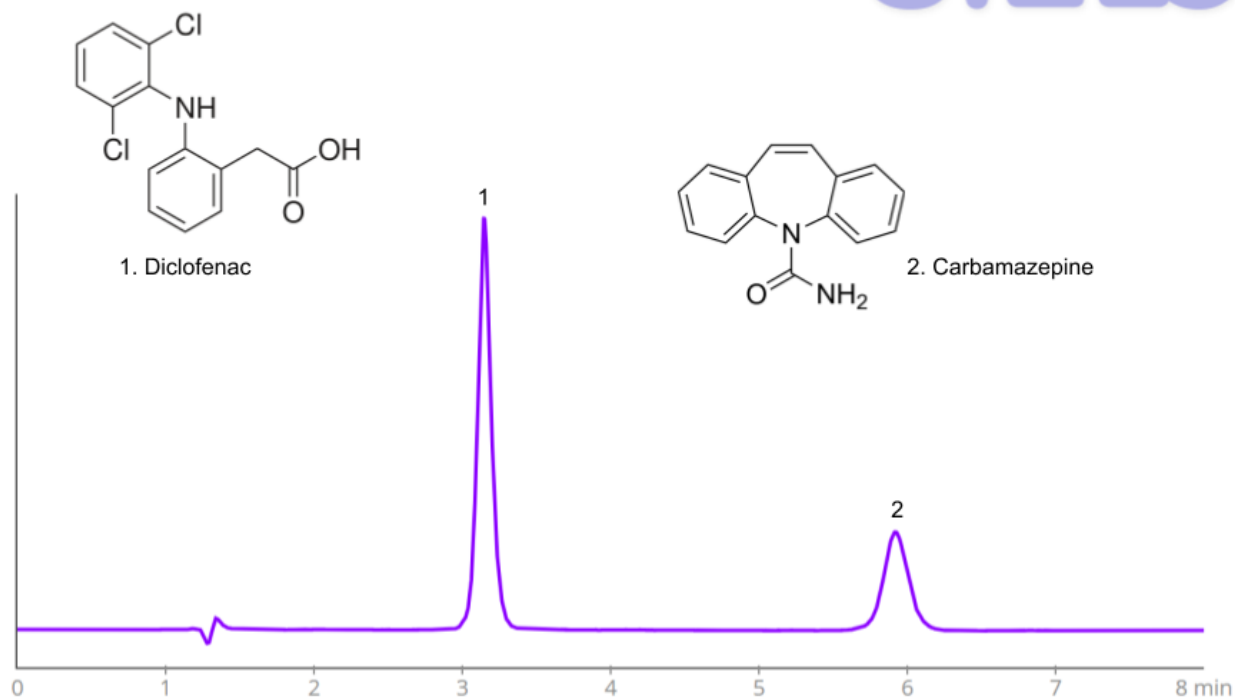


HPLC Method for Analysis of Diclofenac and Carbamazepine on Primesep 100 Column

<https://sielc.com/hplc-ms-method-for-analysis-diclofenac-and-carbamazepine>

Chromatogram

siELC



Column	Primesep 100
Column Size	4.6 x 150 mm, 5 µm
Part Number	100-46.150.0510
Mobile Phase	MeCN/H ₂ O - 35/65%
Buffer	H ₂ SO ₄ - 0.2%
Flow Rate	1.0 ml/min
Detection	UV 275 nm
Device	Alltesta™ Gradient Automated Analyzer

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Diclofenac , Carbamazepine · Diclofenac is an organic compound with the molecular formula C₁₄ H₁₁ Cl₂ NO₂ .

Properties: Appearance: Typically an odorless, white to off-white crystalline, slightly hygroscopic powder.

Molecular weight: ~296.1 g/mol · Solubility: Soluble in organic solvents like ethanol.

Uses: A nonsteroidal anti-inflammatory drug (NSAID) used to relieve pain and reduce inflammation and swelling.

Carbamazepine is an organic compound with the molecular formula C₁₅H₁₂N₂O.

Method Parameters

Mobile Phase	MeCN – 45%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 220 nm
Class of Compounds	Drug
Analyzing Compounds	Diclofenac, Carbamazepine

HPLC Column Used

Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)