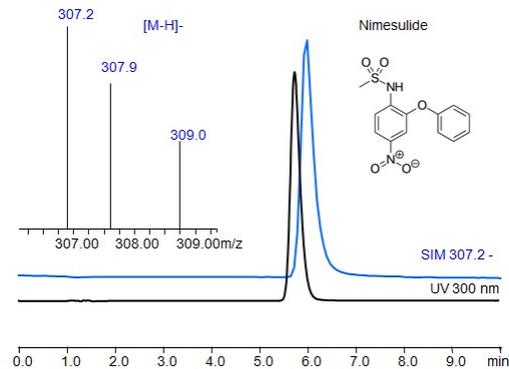


HPLC – MS Method for Analysis of Nimesulide on Newcrom R1 Column



Column: Newcrom R1
Column size: 2.1 x 100 mm, 5µm
Column part number: NR1-21.100.0510
Mobile phase: MeCN – 45%
Buffer: Ammonium formate pH 3.0 – 20 mM
Flow rate: 0.2 ml/min
UV detection: 300 nm, SIM 307.2 -

MS Conditions:
Detection: (-) ESI, SIM 307.2 -
Spray Voltage: 1.5 kV
Nebulizing gas: 1.5 L/min
Drying gas: 15 L/min
DL temp: 250 °C
Heat Block: 400 °C

Nimesulide is a non-steroidal anti-inflammatory drug (NSAID) that possesses analgesic and antipyretic properties. Below is some information about Nimesulide:

Nimesulide can be retained, separated and analyzed on a Newcrom R1 reverse phase stationary phase column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and an ammonium formate as a buffer. This analysis method can be detected using UV at 300 nm, an Evaporative Light Scattering Detector (ELSD), or any other evaporative detection method (CAD, ESI-MS)

Method Parameters

Column	Newcrom R1, 2.1 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 50%,
Buffer	Ammonium Formate pH 3.0-20 mM
Flow Rate	0.2 mL/min
Detection	UV 300 nm, SIM307.2-

Quelle: <https://sielc.com/hplc-method-for-analysis-of-nimesulide>