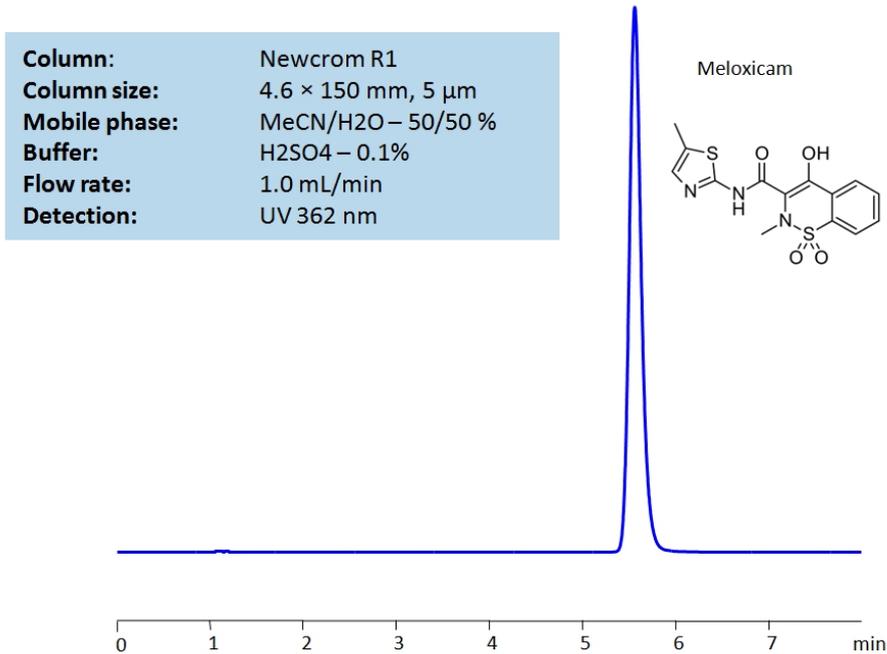


HPLC Determination of Meloxicam on Newcrom R1 Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of Meloxicam.

Meloxicam is a non-steroidal anti-inflammatory drug (NSAID) with the chemical formula C₁₄H₁₃N₃O₄S₂. It is reported to have antipyretic and analgesic activities. Meloxicam can result in gastrointestinal bleeding, headaches, rashes, and other toxic side effects. In certain countries, it is also widely used for veterinary cases.

Meloxicam can be retained in HPLC on Newcrom R1 column with the simple isocratic mobile phase consisting of acetonitrile (MeCN) and water with sulfuric acid (H₂SO₄) buffer. The analysis method can be UV detected at 362 nm.

Method Parameters

Column	Newcrom R1, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 50%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 mL/min
Detection	362 nm

Quelle: <https://sielc.com/hplc-determination-of-meloxicam>