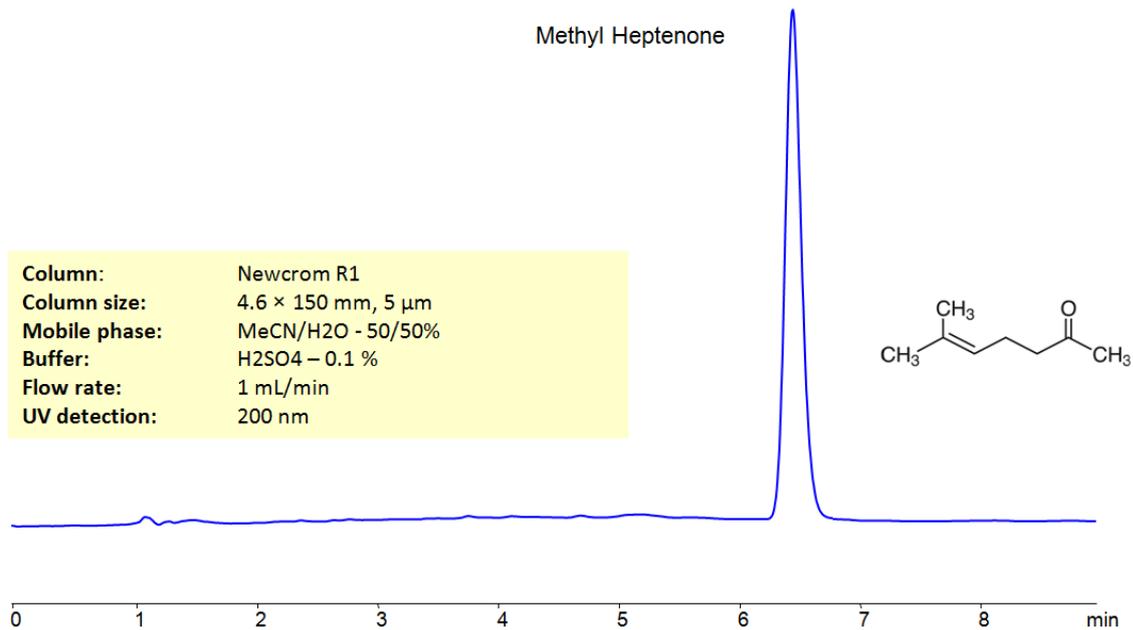


HPLC Determination of 6-methyl-5-hepten-2-one on Newcrom R1 Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of 6-Methyl-5-hepten-2-one .

Sulcatone is a ketone used as a mosquito attractant. It is a volatile oil component found in citrus. It can be retained on a Newcrom R1 reverse-phase column with a mobile phase of acetonitrile (ACN) and water with sulfuric acid (H₂SO₄) buffer. The analytical method is MS-compatible and can also use UV detection at 200 nm.

Method Parameters

Column	Newcrom R1
Mobile Phase	MeCN/H ₂ O – 50/50%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 mL/min
Detection	UV, 200 nm

Quelle: <https://sielc.com/hplc-determination-of-6-methyl-5-hepten-2-one>