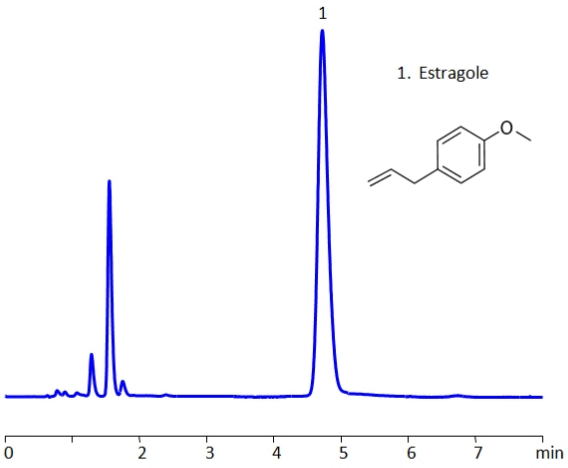
HPLC Method of Estragole on Newcrom R1 Column



Column:	Newcrom R1
Column size:	3.2 × 100 mm, 5 µm
Mobile phase:	MeCN/H2O - 60/40%
Buffer:	H_2SO_4 – 0.1%
Flow rate:	0.5 mL/min
UV detection:	275 nm

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

Estragole is a phenylpropene with the chemical formula C10H12O . It is found in a variety of plants including but not limited to anise, fennel, bay, tarragon, and basil. It is used in preparation of perfumes and food flavorings.

Estragole can be retained in HPLC on Newcrom R1 reverse-phase column using an isocratic analytical method with a simple mobile phase of water, acetonitrile (MeCN, ACN), and Sulfuric Acid buffer. Detection can be achieved by UV detected at 275 nm.

Method Parameters

Column	Newcrom R1, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 60/40%
Buffer	H2SO4 – 0.1%
Flow Rate	0.5 mL/min
Detection	UV, 275 nm

Quelle: https://sielc.com/hplc-method-of-estragole-on-newcrom-r1-column