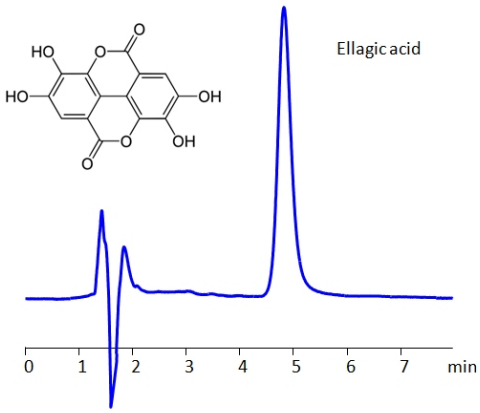
HPLC Method For Analysis of Ellagic Acid on Newcrom BH Column



Column:	Newcrom BH
Column size:	2.1 × 100 mm, 5 µm
Column part number:	NBH-21.100.0510
Mobile phase:	MeOH –40%
Buffer:	$HClO_4$ – 0.5%
Flow rate:	0.2 ml/min
UV detection:	253 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis of Ellagic Acid

Ellagic acid (EA) is a naturally occurring polyphenol. The best sources of ellagic acid in the diet are pomegranate, strawberries, raspberries, blackberries, and walnuts. It has been investigated extensively because of its antiproliferative action in some cancers, along with its anti-inflammatory effects.

Ellagic acid can be retained on HPLC mixed-mode Newcrom BH column using a mobile phase consisting of methanol (MeOH) and water with perchloric acid (HClO4) buffer. The analysis method can be UV detected at 253 nm.

Method Parameters

Column	Newcrom BH, 2.1 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeOH/H2O – 40/60%
Buffer	HClO4 – 0.5%
Flow Rate	0.2 mL/min
Detection	UV 253 nm

Quelle: https://sielc.com/hplc-method-for-analysis-of-ellagic-acid