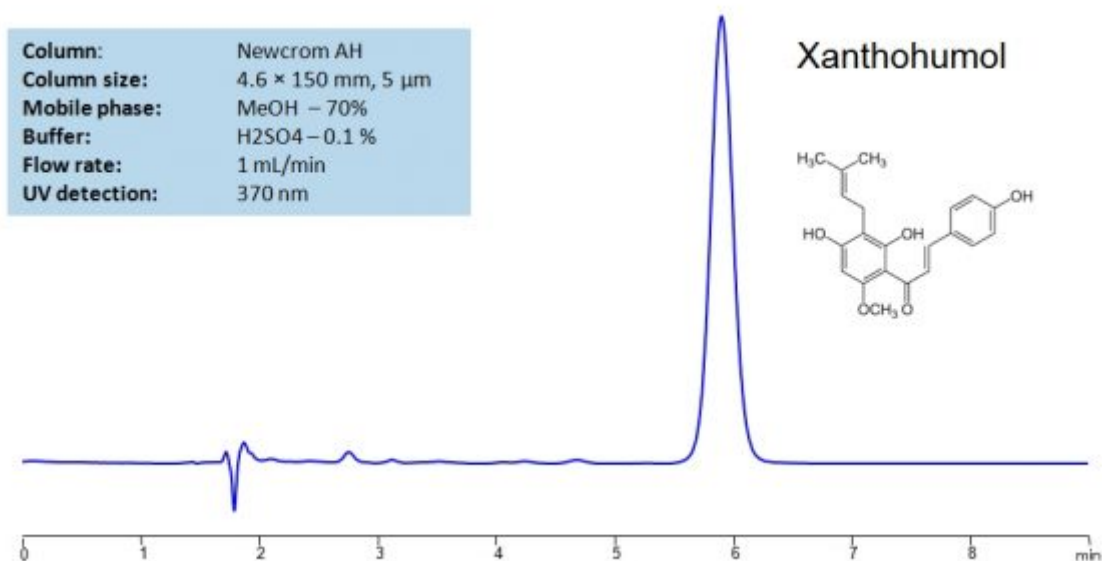


HPLC Determination of Xanthohumol on Newcrom AH Column

<https://sielc.com/hplc-determination-of-xanthohumol-on-newcrom-ah-column>

Chromatogram



Description

Xanthohumol (XN) is a flavonoid compound found in beer that contributes to its flavor and bitterness. There have also been interest in flavonoids and their possible medical applications. Studies have shown that it has anticancer activity and the ability to lower cholesterol and blood sugar. XN can be retained in HPLC on a Newcrom AH mixed-mode column with a mobile phase of acetonitrile (ACN) and water with sulfuric acid (H₂SO₄) as buffer and UV detected at 370nm.

Method Parameters

Mobile Phase	MeOH/H ₂ O – 70/30%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 370 nm
Class of Compounds	Hydrophobic, Acid, Chalconoid
Analyzing Compounds	Xanthohumol

HPLC Column Used

Newcrom AH, 4.6×150 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](#)