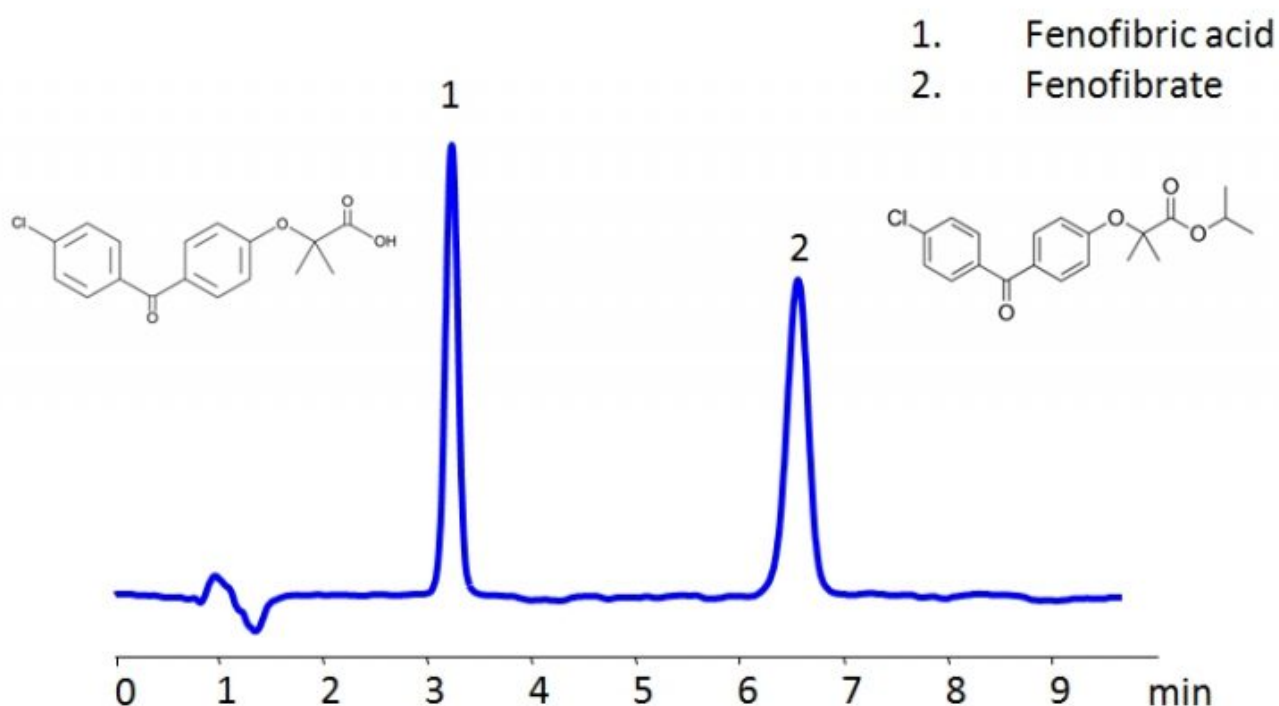


# HPLC Separation of Fenofibric Acid and Fenofibrate on Newcrom AH Column

<https://sielc.com/hplc-separation-of-fenofibric-acid-and-fenofibrate-2>

## Chromatogram



|                            |                                |
|----------------------------|--------------------------------|
| <b>Column:</b>             | Newcrom AH                     |
| <b>Column size:</b>        | 3.2 × 100 mm, 3 µm             |
| <b>Column part number:</b> | NAH-32.100.0310                |
| <b>Mobile phase:</b>       | MeCN/H <sub>2</sub> O – 45/55% |
| <b>Buffer:</b>             | Formic Acid - 0.05%            |
| <b>Flow rate:</b>          | 0.5 mL/min                     |
| <b>UV Detection:</b>       | 286 nm                         |

## Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Fenofibric acid , Fenofibrate .

Fenofibric acid is used to treat high levels of cholesterol and triglyceride in blood, which can help prevent pancreatitis. It works through activating peroxisome proliferator-activated receptor alpha. This leads to increased activity lipoprotein lipase and decreased production of proprotein.

Fenofibrate is used to treat high levels of cholesterol and triglyceride in blood, which can help prevent pancreatitis. It works when it is converted into Fenofibric acid, listed above.

Fenofibric acid , Fenofibrate can be retained and analyzed using the Newcrom AH stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a formic acid buffer. Detection is

performed using UV.

#### Method Parameters

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| <b>Mobile Phase</b>        | MeCN – 45%                                      |
| <b>Buffer</b>              | Formic Acid – 0.05%                             |
| <b>Flow Rate</b>           | 0.5 ml/min                                      |
| <b>Detection</b>           | UV, 286 nm                                      |
| <b>Class of Compounds</b>  | Drug, Acid, Hydrophilic, Ionizable, Supplements |
| <b>Analyzing Compounds</b> | Fenofibric acid,Fenofibrate                     |

#### HPLC Column Used

**Newcrom AH, 3.2 x 100 mm, 3 µm, 100 A, dual ended**

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