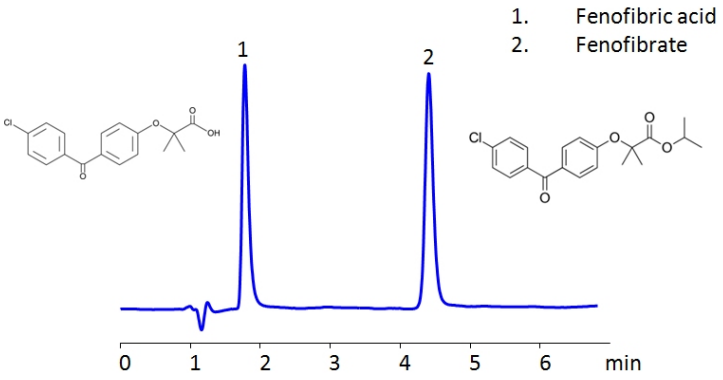
HPLC Separation of Fenofibric Acid and Fenofibrate on Primesep 100 Column



Column:	Primesep 100
Column part number:	100-21.100.0209
Size:	2.1x 100 mm, 2.7µm, 90A
Mobile phase:	MeCN/H_2O - 60/40%
Buffer:	Formic acid - 0.05%
Flow:	0.2 mL/min
Detection:	UV 286 nm

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 Primesep 100 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

Mobile Phase	MeCN – 60%
Buffer	Formic Acid – 0.05%
Flow Rate	0.2 mL/min
Detection	UV, 286 nm

Quelle: https://sielc.com/hplc-separation-of-fenofibric-acid-and-fenofibrate