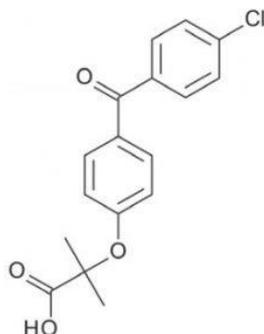
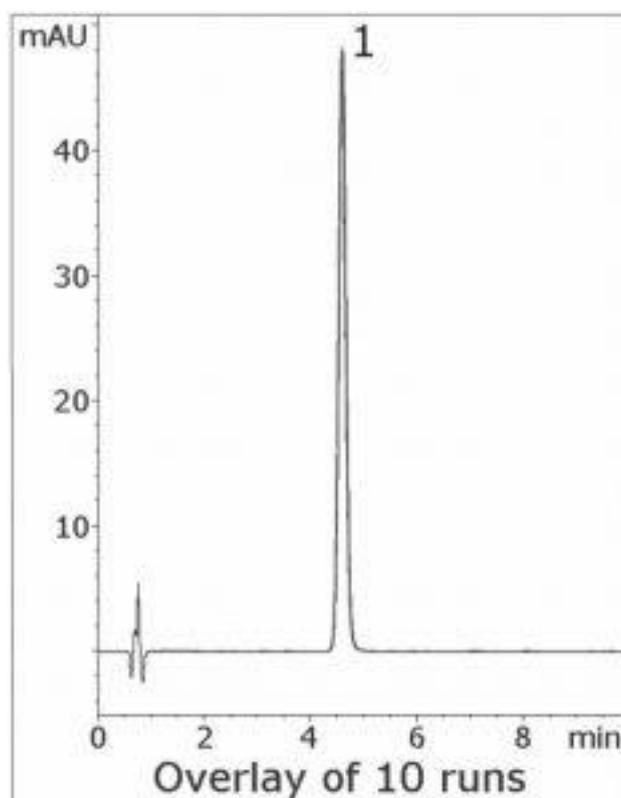


Fenofibric Acid Capsule Analyzed with HPLC - AppNote

Simple Isocratic LCMS Compatible Assay Method

The USP Assay Method for Fenofibric Acid uses a Phosphate buffer which is incompatible with MS detection. In this isocratic Method, only Formic Acid is needed in the Mobile Phase. The Peak Efficiency and Symmetry are excellent and the run-to-run precision is reliable and robust, as the 10 Chromatograms shown below indicate.



Peak:
Fenofibric Acid

Method Conditions

Column: Cogent Bidentate C18™, 4 μm, 100 Å

Catalog No.: 40018-75P

Dimensions: 4.6 x 75 mm

Mobile Phase: 50% DI Water / 50% Acetonitrile / 0.1% Formic Acid (v/v)

Injection vol.: 1 µL

Flow rate: 1.0 mL / minute

Detection: UV @ 285 nm

Sample Preparation: 135 mg strength Trilipix (*Fenofibric Acid*) Delayed Release Capsule contents were ground with a mortar and pestle. The contents were added to a 100 mL volumetric flask containing 50 mL Methanol. The flask was sonicated 10 minutes and diluted to mark with Methanol. Then a portion was filtered with a 0.45 µm Nylon Syringe Filter (MICROSOLV Tech Corp.). 100 µL of filtrate was diluted with 900 µL of Methanol.

Note: *Fenofibric Acid is used to moderate Cholesterol levels for patients at risk for cardiovascular diseases. It lowers the amount of Triglycerides and low-density Lipoprotein (LDL) Cholesterol, as well as increases the amount of high-density Lipoprotein (HDL) Cholesterol. It is often used in combination with Statins.*



Attachment No 185 Fenofibric Acid Capsule Analyzed with HPLC pdf 0.3 Mb [Download File](#)

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