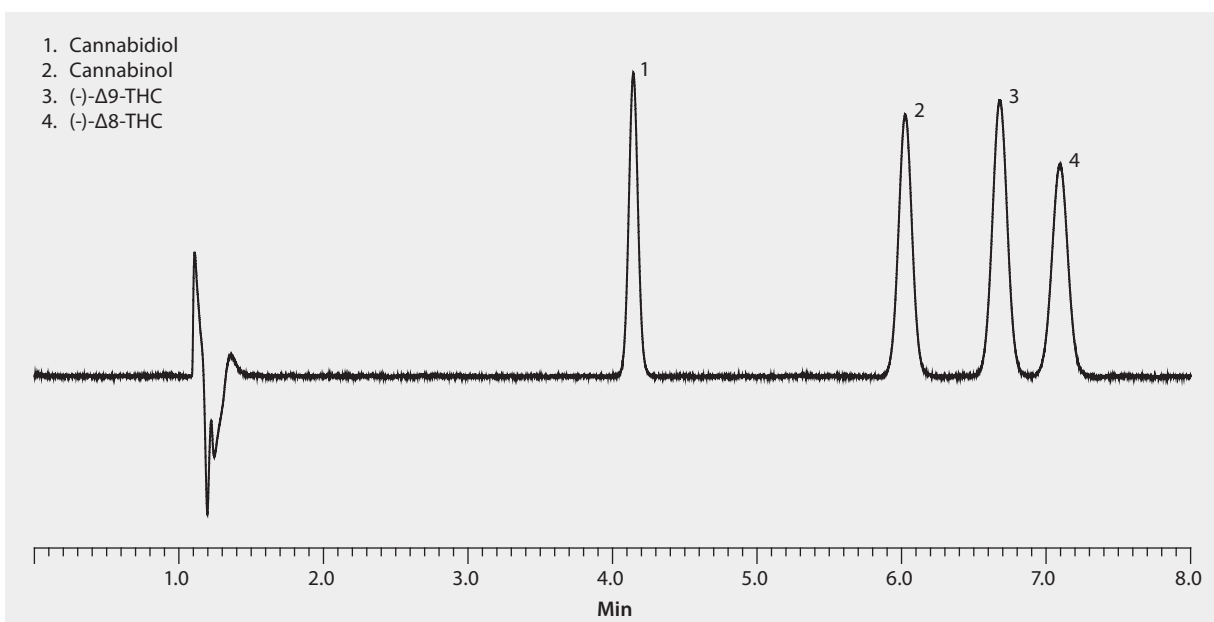


## HPLC Analysis of Cannabinoids using Ascentis® Express RP-Amide

The rapid growth of the cannabis testing market has prompted the development of equally rapid methods to analyze the active ingredients. Shown here is the separation of cannabis compounds on an Ascentis Express RP-Amide column. The selectivity, and therefore resolution, is unique to the amide bonded phase chemistry. Fluka LC-MS Ultra CHROMASOLV solvents were used to supply low background interference and low particulate contaminants for robust, trouble-free operation. Cerilliant CRMs provided reliable identification and quantification.

market focus ..... Forensics and Toxicology  
column ..... Ascentis Express RP-Amide, 15 cm x 4.6 mm I.D., 5 µm particles (50774-U)  
mobile phase ..... 5 mM ammonium acetate (pH 4.5 with acetic acid) in 20:80, acetonitrile:water  
flow rate ..... 1.0 mL/min  
pressure ..... 1450 psi (100 bar)  
column temp. .... 35 °C  
detector ..... UV, 214 nm  
injection ..... 5 µL  
sample ..... 4 cannabinoids 50 µg/mL 50:50, water:methanol  
Application No. .... [G006303](#)



### Related Products

#### analytical column

Ascentis® Express RP-Amide, 5 Micron HPLC Column ([Supelco 50774-U](#))

#### mobile phase component

Acetic acid ([Fluka 49199](#))

Acetonitrile ([Fluka 14261](#))

Ammonium acetate ([Fluka 14267](#))

#### standard

Cannabidiol solution ([Cerilliant C-045](#))

Cannabinol solution ([Cerilliant C-046](#))

(-)-Δ<sup>9</sup>-THC solution ([Cerilliant T-032](#))

(-)-Δ<sup>8</sup>-THC solution ([Cerilliant T-005](#))