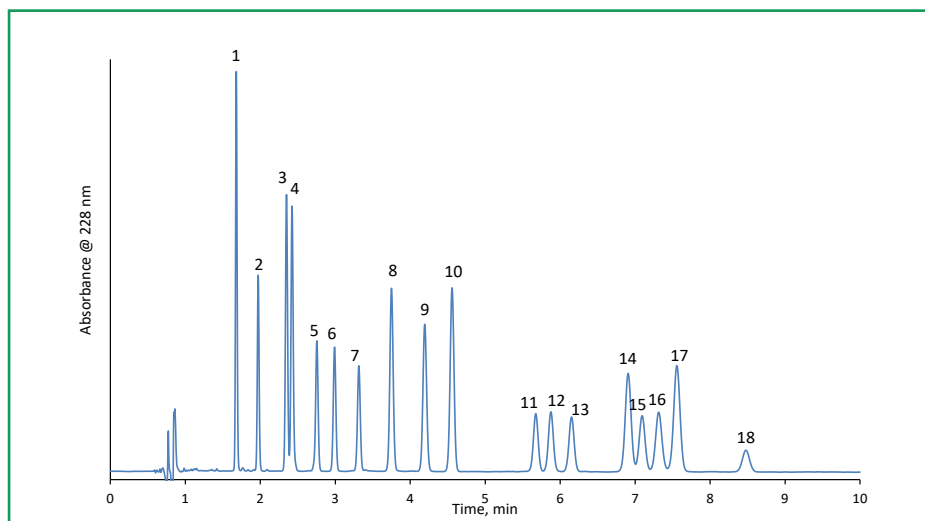




Isocratic Separation of 18 Cannabinoids

222-CN



PEAK IDENTITIES

- | | |
|--|--|
| 1. Cannabidivarinic acid (CBDVA) | 10. Cannabinol (CBN) |
| 2. Cannabidivarin (CBDV) | 11. Exo-tetrahydrocannabinol (EXO-THC) |
| 3. Cannabidiolic acid (CBDA) | 12. delta 9- Tetrahydrocannabinol (D9-THC) |
| 4. Cannabigerolic acid (CBGA) | 13. delta 8- Tetrahydrocannabinol (D8-THC) |
| 5. Cannabigerol (CBG) | 14. Tetrahydrocannabinolic acid A (THCA-A) |
| 6. Cannabidiol (CBD) | 15. Cannabichromenic acid (CBCA) |
| 7. Tetrahydrocannabivarin (THCV) | 16. Cannabicycol (CBL) |
| 8. Tetrahydrocannabivarinic acid (THCVA) | 17. Cannabichromene (CBC) |
| 9. Cannabinolic acid (CBNA) | 18. Cannabicycloic acid (CBLA) |

TEST CONDITIONS:

Column: HALO 90 Å C18, 2.7 µm, 4.6 x 150mm

Part Number: 92814-702

Mobile Phase:

A: 20 mM Ammonium Formate, pH 2.9

B: Acetonitrile

Isocratic: 76% B

Flow Rate: 1.5 mL/min

Pressure: 231 bar

Temperature: 35 °C

Detection: UV 228 nm

Injection Volume: 4.0 µL

Sample Solvent: Methanol

Response Time: 0.025 sec

Flow Cell: 1.0 µL

System: Shimadzu Nexera X2

A HALO® C18 column is used to separate a mixture of eighteen cannabinoids, showing fast results and high resolution within critical pairs. Cannabinoids are a class of chemical compounds primarily found in the marijuana plant. Many of these compounds have been found to provide medicinal benefits such as reduction in pain and inflammation.

