

APPLICATIONS

12 Cannabinoids by HPLC-UV using Kinetex[®] 2.6 μm C18 Core-Shell Column



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Overview

There are over 100 known cannabinoids with varying effects. Developed is a rapid method analyzing 12 major cannabinoids with great resolution and low backpressures. The use of Kinetex core-shell columns provides laboratories with the versatility and option to move from HPLC to UHPLC instrumentation platforms for greater productivity and results.

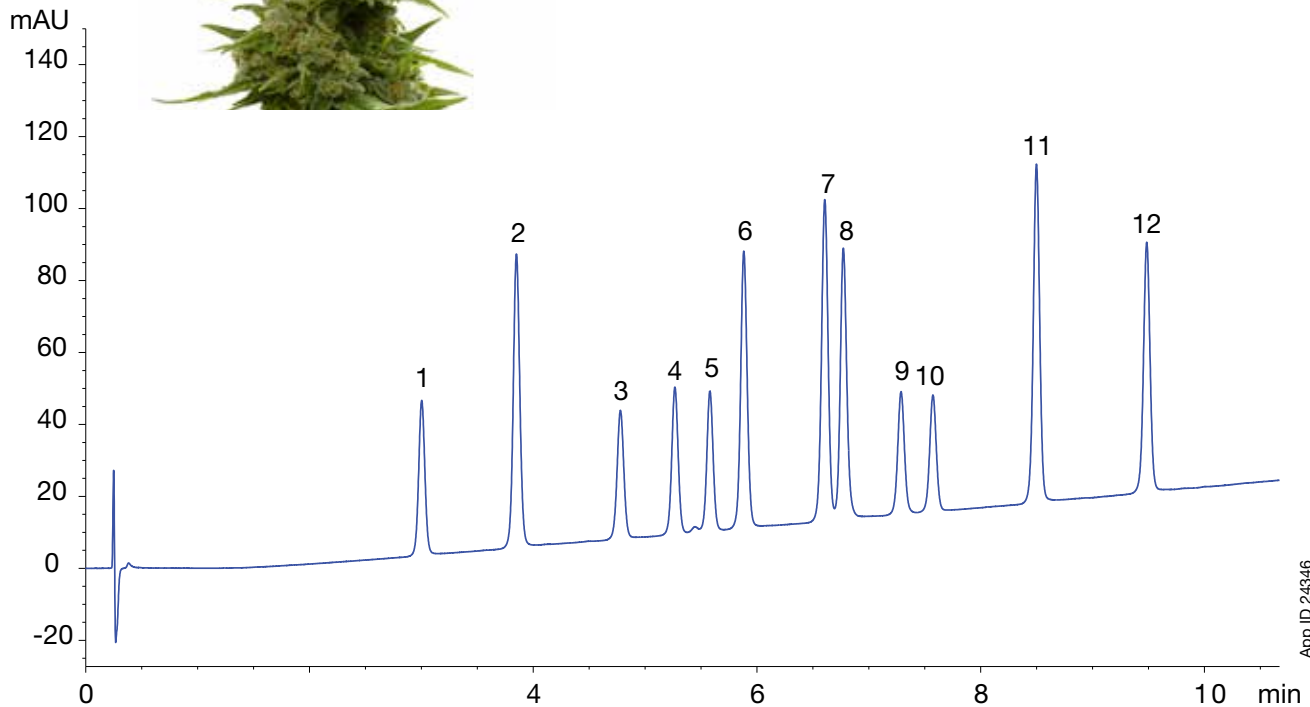


Column: Kinetex 2.6 μm C18
Dimension: 50 x 2.1 mm
Part No.: 00B-4462-AN
Mobile Phase: A: Water with 0.1 % Formic acid
 B: Methanol with 0.1 % Formic acid
Gradient:

Time (min)	% B
0	60
10	85

Injection: 1 μL
Flow Rate: 0.5 mL/min
Temperature: 50 °C
Backpressure: 240 Bar
Detection: UV @ 230 nm
Analytes:

1. CBDV	7. CBN
2. CBDVA	8. CBGA
3. THC-V	9. D9-THC
4. CBD	10. D8-THC
5. CBG	11. CBC
6. CBDA	12. THCA-A



App ID 24346



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Ordering Information

Kinetex® Core-Shell HPLC/UHPLC Columns

5 µm Minibore Columns (mm)

Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	SecurityGuard™ ULTRA Cartridges†
C18	00A-4601-AN	00B-4601-AN	00D-4601-AN	00F-4601-AN	AJO-8782 for 2.1 mm ID

5 µm MidBore™ Columns (mm)

Phases	50 x 3.0	100 x 3.0	150 x 3.0	SecurityGuard ULTRA Cartridges†
C18	00B-4601-YO	00D-4601-YO	00F-4601-YO	AJO-8775 for 3.0 mm ID

5 µm Analytical Columns (mm)

Phases	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	SecurityGuard ULTRA Cartridges†
C18	00B-4601-EO	00D-4601-EO	00F-4601-EO	00G-4601-EO	AJO-8768 for 4.6 mm ID

2.6 µm Minibore Columns (mm)

Phases	30 x 2.1	50 x 2.1	75 x 2.1	100 x 2.1	150 x 2.1	SecurityGuard ULTRA Cartridges†
C18	00A-4462-AN	00B-4462-AN	00C-4462-AN	00D-4462-AN	00F-4462-AN	AJO-8782 for 2.1 mm ID

2.6 µm MidBore™ Columns (mm)

Phases	30 x 3.0	50 x 3.0	75 x 3.0	100 x 3.0	150 x 3.0	SecurityGuard ULTRA Cartridges†
C18	00A-4462-YO	00B-4462-YO	00C-4462-YO	00D-4462-YO	00F-4462-YO	AJO-8775 for 3.0 mm ID

2.6 µm Analytical Columns (mm)

Phases	30 x 4.6	50 x 4.6	75 x 4.6	100 x 4.6	150 x 4.6	SecurityGuard ULTRA Cartridges†
C18	00A-4462-EO	00B-4462-EO	00C-4462-EO	00D-4462-EO	00F-4462-EO	AJO-8768 for 4.6 mm ID

1.7 µm Minibore Columns (mm)

Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	SecurityGuard ULTRA Cartridges†
C18	00A-4475-AN	00B-4475-AN	00D-4475-AN	00F-4475-AN	AJO-8782 for 2.1 mm ID

1.7 µm MidBore Columns (mm)

Phases	50 x 3.0	100 x 3.0	SecurityGuard ULTRA Cartridges†
C18	00B-4475-YO	00D-4475-YO	AJO-8775 for 3.0 mm ID

† SecurityGuard ULTRA Cartridges require holder, Part No.: AJO-9000

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www.phenomenex.com

Phenomenex products are available worldwide. For the distributor in your country, contact Phenomenex USA, International Department at international@phenomenex.com



If Kinetex analytical columns do not provide at least an equivalent separation as compared to a competing column of the same particle size, similar phase and dimensions, return the column with comparative data within 45 days for a FULL REFUND.

Terms and Conditions

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