

NEW Kinetex[®] PS C18

- Increased Polar Retention
- Improved Peak Shape for Bases
- Multi-Modal Interaction Selectivity
- Ultra-High Performance on ANY HPLC/UHPLC

**20%
OFF**

Any Kinetex PS C18 Column
Limit 6 columns per company.

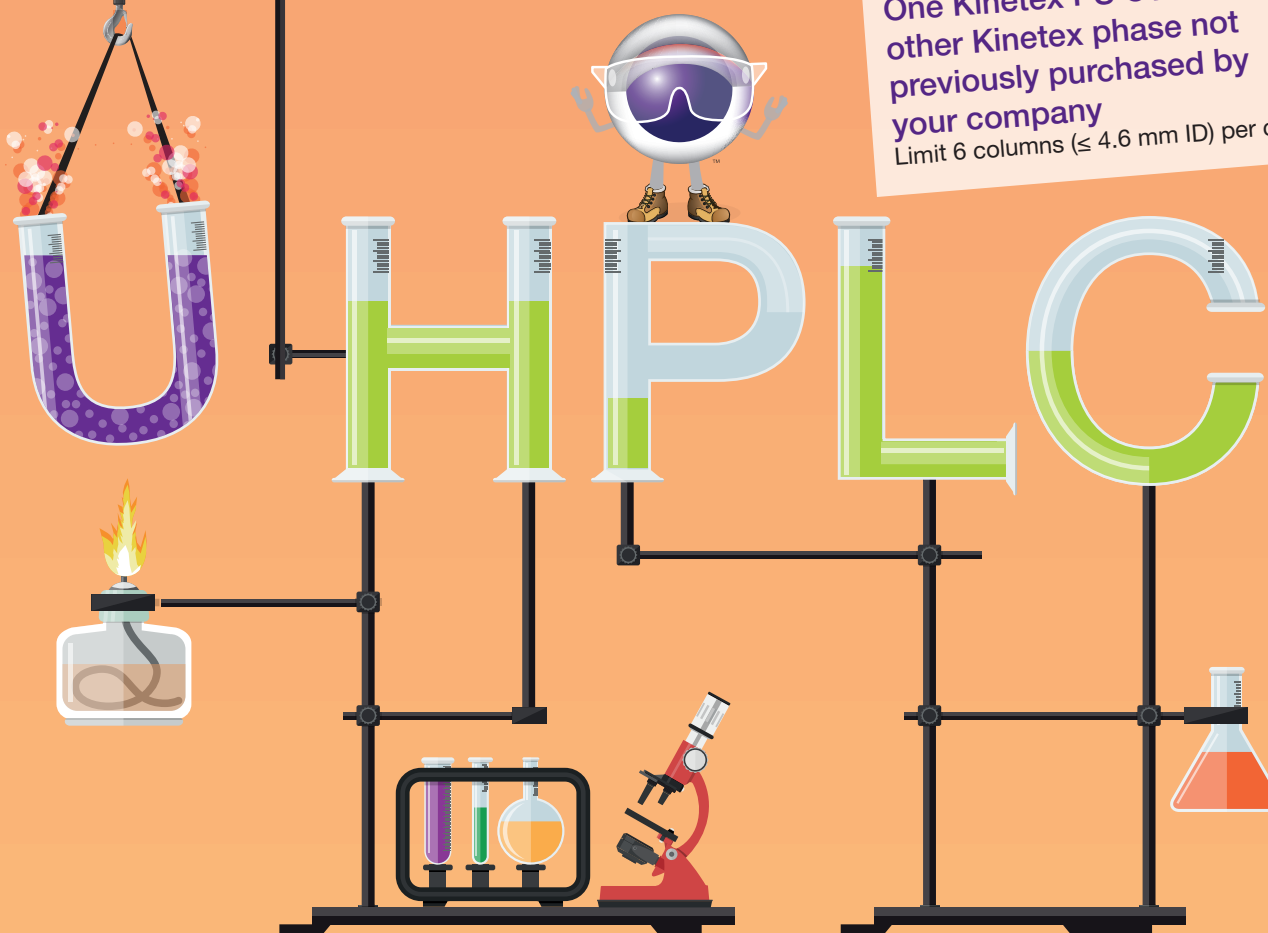


Expires: 30 August 2019

Offer code: DKNX0819

**35%
OFF**

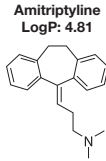
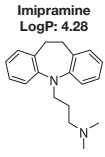
One Kinetex PS C18 and one
other Kinetex phase not
previously purchased by
your company
Limit 6 columns (≤ 4.6 mm ID) per company.



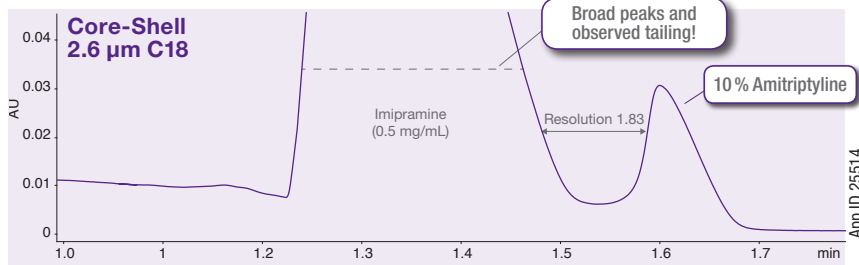
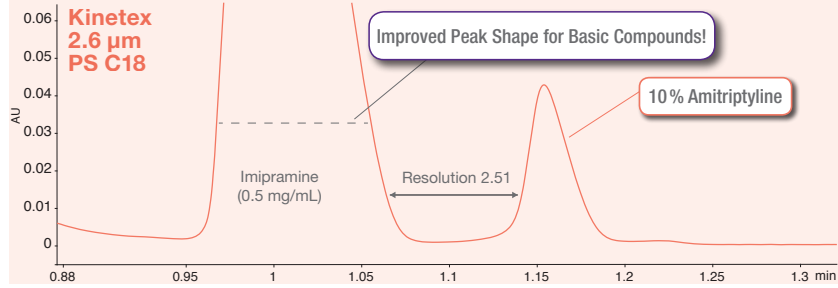
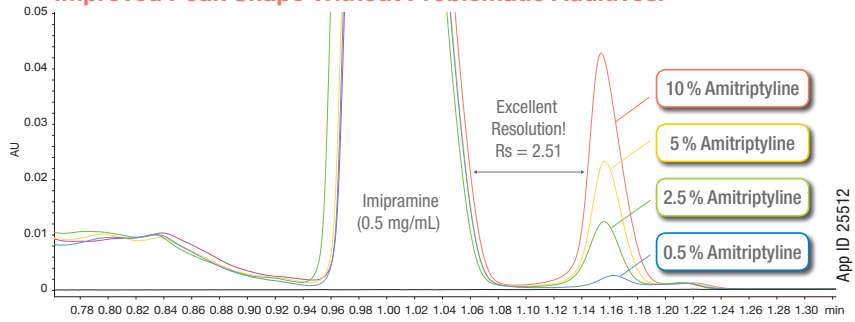
phenomenex[®]
...breaking with traditionSM

Kinetex® 2.6 µm PS C18 - Better Peak Shape for Bases

While traditional alkyl C18 phases are prone to show tailing for basic compounds because of secondary interactions occurring at the silica surface, the **Kinetex PS C18** was designed with positive charges on the surface that serves to repel strong basic species, delivering consistently sharper peaks.



Improved Peak Shape Without Problematic Additives!



Conditions for both columns:

Column: Kinetex 2.6 µm PS C18
Core-Shell 2.6 µm C18
Dimensions: 50 x 4.6 mm
Part No.: 00B-4780-E0
Mobile Phase: A: Methanol
B: Acetonitrile with 0.1 % Formic Acid
Gradient:

Time (min)	% B
0	25
2	35
3	95
3.1	25
5	25

Injection Volume: 15 µL

Flow Rate: 1.85 mL/min

Temperature: 30 °C

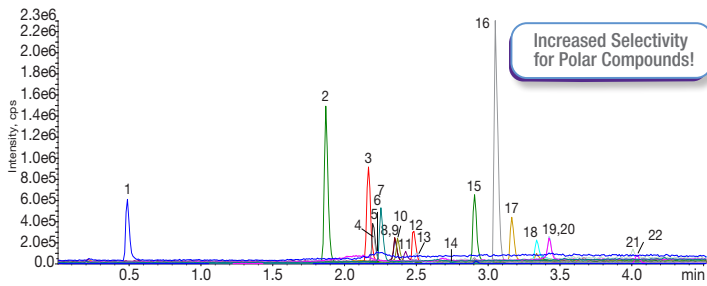
Detection: UV @ 254 nm

Sample: 1. Imipramine
2. Amitriptyline

Kinetex 2.6 µm PS C18 - Enhanced Mixed-Mode Selectivity

This new high-efficiency, multi-modal C18 with a positive surface modification demonstrates enhanced selectivity and peak shape for basic compounds under typical reversed phase conditions.

Antibiotics Screen

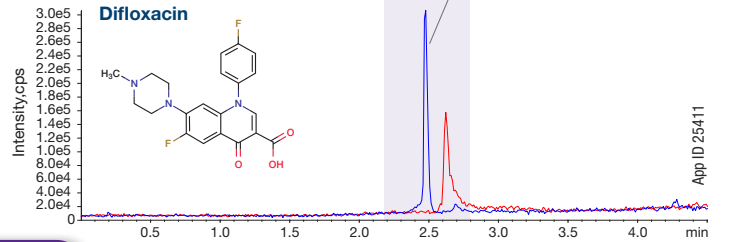
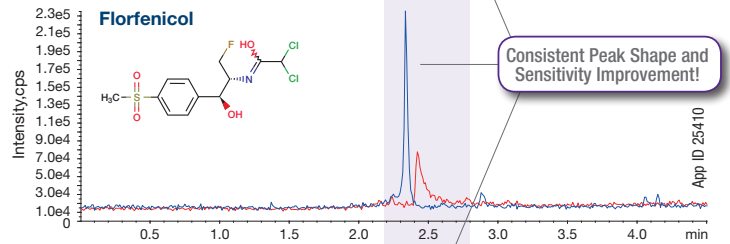
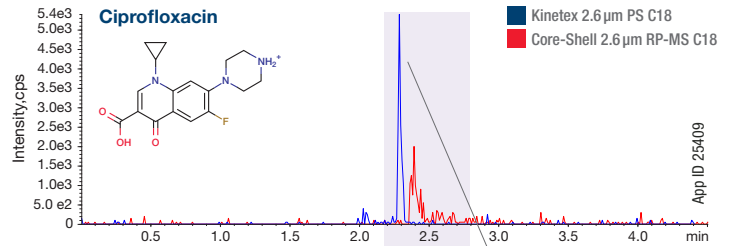


Conditions for all examples:

Column: Kinetex 2.6 µm PS C18
Core-Shell 2.6 µm RP-MS C18
Dimensions: 50 x 2.1 mm
Mobile Phase: A: Water with 0.1 % Formic Acid
B: Acetonitrile with 0.1 % Formic Acid

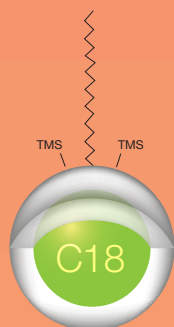
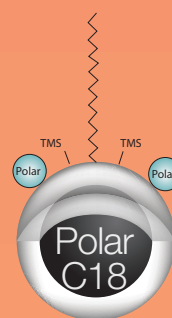
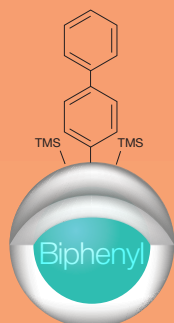
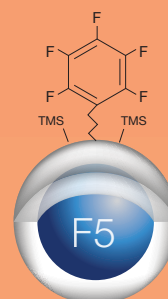
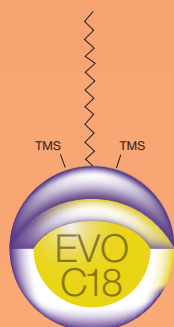
Gradient: Time (min)	% B
0	3
0.5	3
5	100
5.1	3
8	3

Flow Rate: 0.5 mL/min
Temperature: Ambient
Detection: SCIEX™ API 4000™
Sample: 22 Antibiotics



INCREDIBLE! What a useful phase for acids, bases, and neutrals!



Hydrophobic Compounds

Kinetex C18
Polar Acids

Kinetex Polar C18
Closely Related Structures

Kinetex Biphenyl

Kinetex F5
Alkaline Conditions

Kinetex EVO C18
Polar Bases

Kinetex PS C18
Kinetex Ordering Information

2.6 µm Minibore Columns (mm)				SecurityGuard™ ULTRA Cartridges†
Phases	50 x 2.1	100 x 2.1	150 x 2.1	3/pk
PS C18	00B-4780-AN	00D-4780-AN	00F-4780-AN	AJ0-8951
for 2.1 mm ID				

2.6 µm MidBore™ Columns (mm)				SecurityGuard™ ULTRA Cartridges†
Phases	50 x 3.0	100 x 3.0	150 x 3.0	3/pk
PS C18	00B-4780-Y0	00D-4780-Y0	00F-4780-Y0	AJ0-8950
for 3.0 mm ID				

2.6 µm Analytical Columns (mm)					SecurityGuard™ ULTRA Cartridges†
Phases	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	3/pk
PS C18	00B-4780-E0	00D-4780-E0	00F-4780-E0	00G-4780-E0	AJ0-8949
for 4.6 mm ID					

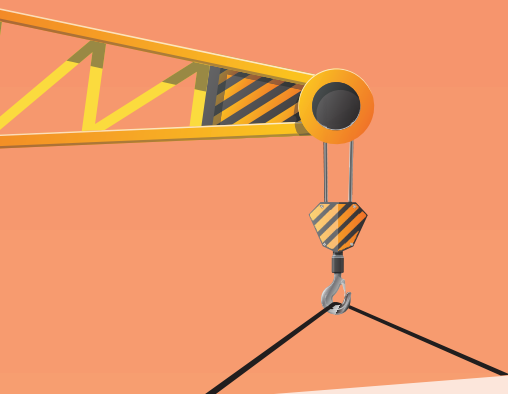
† SecurityGuard ULTRA Cartridges require holder, Part No.: AJ0-9000.

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www.phenomenex.com/behappy

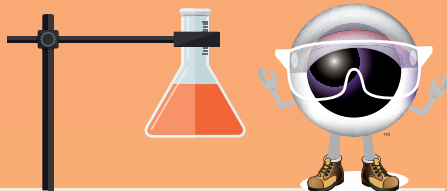
 Visit www.phenomenex.com/Kinetex to see our entire Kinetex column portfolio.



Protect Your New Kinetex® PS
C18 Column!

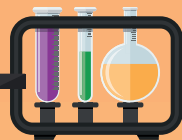
**30%
OFF**

a SecurityGuard™ ULTRA guard
cartridge system
(includes holder and cartridges)
Limit one per company.



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Offer code: DKNX0819



Terms and Conditions

Offer must be specified at time of purchase and cannot be combined with any other discount or promotional item. Limit 6 columns (≤ 4.6 mm ID) and one SecurityGuard ULTRA cartridge system at discounted rate, per company. Subject to Phenomenex Standard Terms & Conditions, which may be viewed at www.phenomenex.com/TermsAndConditions.

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Disclaimer

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