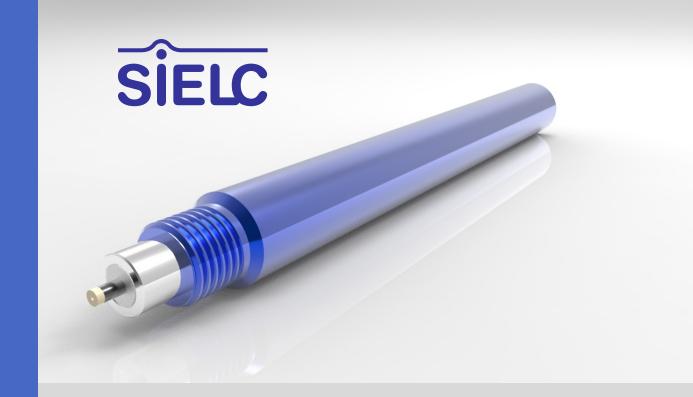
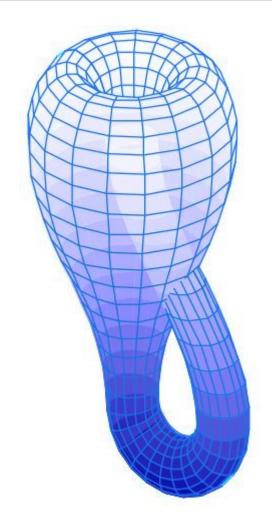
SIELC Technologies, Inc. Wheeling, IL 60090 USA P. 847-229-2629 F. 847-655-6079 mail@sielc.com www.sielc.com



NEWCROM®

HPLC COLUMNS OF THE FUTURE



HPLC COLUMN OF THE FUTURE

SIELC introduces a new single ended column design

For as long as people have done HPLC they have used the same column format, the same method of connecting the column to the HPLC, and they have experienced the same problems:



A new single ended column guard system

If your method requires a guard column then use our special guard-column adapter. It is a single piece of hardware which combines a column and a guard all in one convenient assembly.

- Special guard column with an inlet and outlet at one end allows you to replace the guard without disconnecting the column from your HPLC system.
- The finger-tightening installation is entirely tool free.
- Compact design allows you to install a column with guard into any column heater

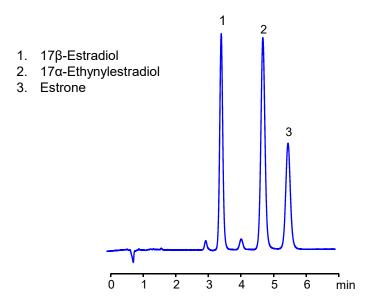
NEWCROM R1

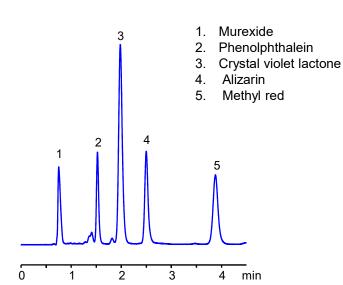


A column with a new outer design and with new chemistry inside.

Newcrom R1 takes full advantage of new chemistry with advanced proprietary end-capping.

Available in 5 µm and 3 µm particle size with diameter 2.1, 3.2, and 4.6 mm and length 50, 100, and 150 mm.





Column: Column Size:

Newcrom R1 3.2x100 mm, 5 μm

Mobile phase: MeCN/Water/H3PO4 – 45/55/0.2%

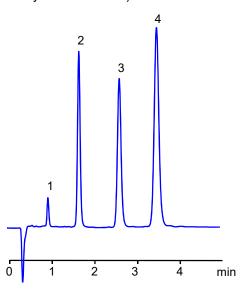
Flow rate: 0.5 mL/min
Detection: UV 230 nm

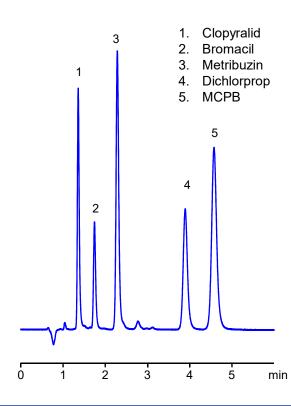
Column:Newcrom R1Column Size:3.2x100 mm, 5 μm

Mobile phase: MeCN/Water/H3PO4-55/45/0.2%

Flow rate: 0.5 mL/min Detection: UV 300 nm

- 1. CBC (Cannanbichromene)
- 2. CBD (Cannabidiol)
- 3. CBN (Cannabinol)
- 4. THC (Tetrahydrocannabinol)





Column:
Column Size:
Mobile phase:

Newcrom R1 3.2x100 mm, 5 μm

Mobile phase: MeCN/Water/H3PO4 – 80/20/0.2%

Flow rate: 1 mL/min
Detection: UV 210 nm

Column:
Column Size:
Mobile phase:

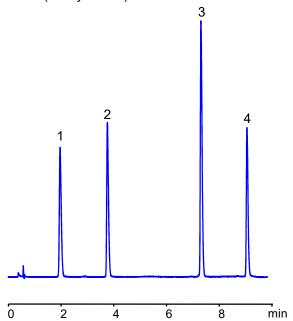
Newcrom R1 3.2x100 mm, 5 μm MeCN/Water/H3PO4 – 60/40/0.2%

Flow rate: 0.5 mL/min Detection: UV 210 nm

NEWCROM R1



- 1. MIT (3-lodo-L-tyrosine)
- 2. DIT (3,5-Diiodo-L-tyrosine dihydrate)
- 3. T2 (3,5-Diiodo-L-thyronine)
- 4. T3 (Liothyronine)

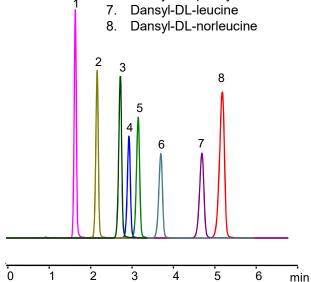


Dansyl-y-amino-n-butyric acidDansyl-DL-α-amino-n-butyric acid

3. Dansyl-DL-methionine

4. Dansyl-DL-norvaline

- 5. Dansyl-DL-tryptophan
- 6. Dansyl-DL-phenylalanine



Column: Newcrom R1
Column Size: 3.2x100 mm, 5 µm

Mobile phase: MeCN Gradient 10-40%/10 min

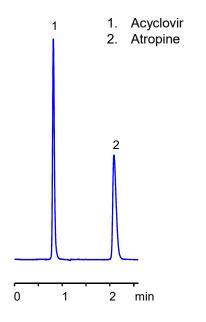
H3PO4 - 0.2%

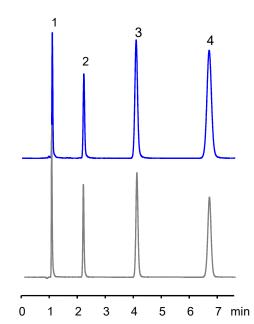
Flow rate: 0.5 mL/min
Detection: UV 270 nm

Column:Newcrom R1Column Size:3.2x100 mm, 3 μmMobile phase:MeCN/Water /H3PO4 –

40/60/0.1%

Flow rate: 0.5 mL/min Detection: UV 270 nm





	Plates	
	5 µm	3 µm
1. Caffeic Acid	5583	6386
2. Phenol	8644	11979
3. Dimethylphthalate	8426	12848
4. Ketoprofen	7552	13295

Column: Newcrom R1
Column Size: 3.2x100 mm, 3 µm

Mobile phase: MeCN/Water/H3PO4 – 20/80/0.2%

Flow rate: 0.5 mL/min Detection: UV 210 nm

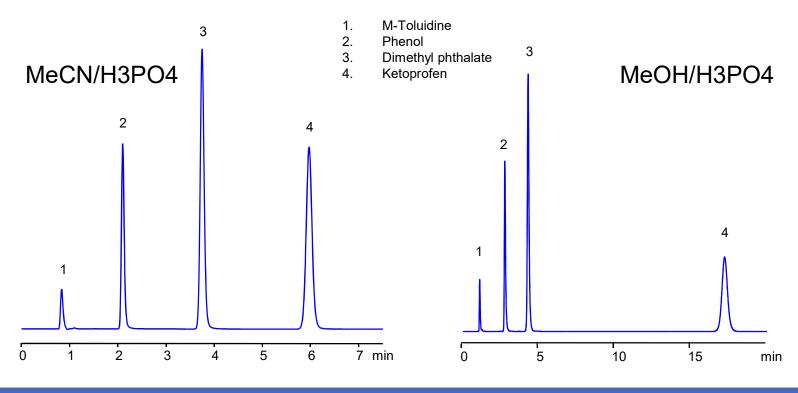
Column Size: 3.2x100 mm

Mobile phase: MeCN/Water/H3PO4-40/60/0.2%

Flow rate: 0.5 mL/min Detection: UV 270 nm

NEWCROM R1





Column:Newcrom R1Column Size:3.2x100 mm, 3 μmMobile phase:MeCN/H2O/H3PO4 –

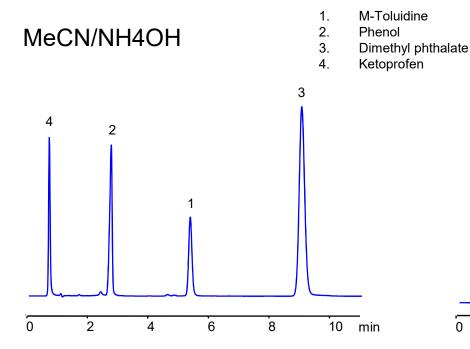
40/60/0.1%

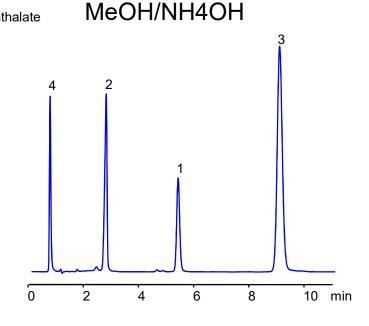
Flow rate: 0.5 mL/min Detection: UV 270 nm

Column:Newcrom R1Column Size:3.2x100 mm, 3 μmMobile phase:MeOH/Water /H3PO4 –

50/50/0.1%

Flow rate: 0.5 mL/min
Detection: UV 270 nm





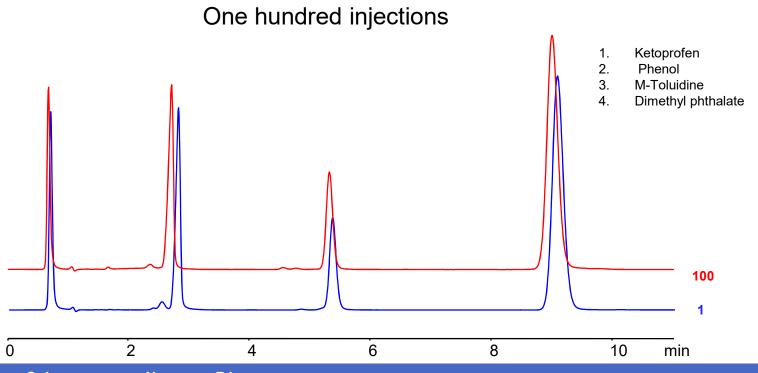
Column: Newcrom R1
Column Size: 3.2x100 mm, 3 µm
Mobile phase: MEOH/H2O – 30/70 %

Flow rate:

NH4OH- 20 mM 0.5 mL/min Column:Newcrom R1Column Size:3.2x100 mm , 3 μmMobile phase:MeOH/Water-30/70 %

NH4OH- 20 mM 0.5 mL/min

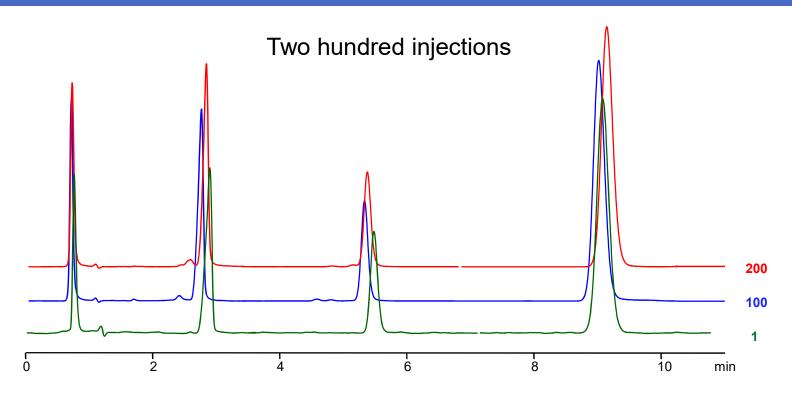




Column:Newcrom R1Column Size:3.2x100 mm, 3 μmMobile phase:MeOH/H2O 30/70 %

Flow rate: 0.5 mL/min Detection: UV 270 nm

(NH4)2CO3 - 20mM pH- 8.3



Column:Newcrom R1Column Size:3.2x100 mm, 3 μmMobile phase:MeCN/H2O 30/70 %

Flow rate: 0.5 mL/min Detection: UV 270 nm