

ShimNex CS C18

High column efficiency, high retention, high separation, suitable for complex components

- Because of the multiple end-capping, the adsorption of ionized compounds was lower.
- Optimized surface area design with higher carbon load results in stronger retention, which is better for separation. So, the ShimNex CS C18 column is an ideal choice for method development especially for the complex component analysis.
- To ensure good batch reproducibility of the column. The synthesis of silica, the chemical processing of silica surface and the filling are all tested and controlled by strict quality standards.

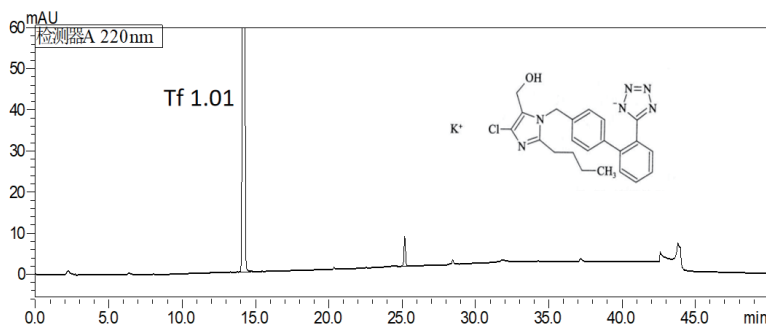


Ligand type	C18
Particle Size	5μm
Pore size	10nm
Surface area	450 m ² /g

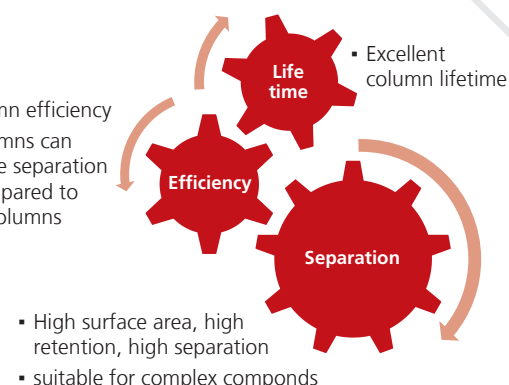
Carbon load	17%
End capping	Yes
pH scale	2-8
USP Code	L1

- Because of the multiple end-capping, the adsorption of ionized compounds was lower.

Analysis of telmisartan

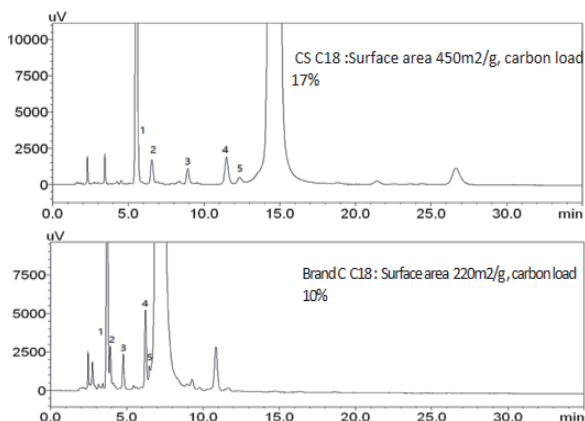


- High column efficiency
- Short columns can achieve the separation effect compared to the long columns

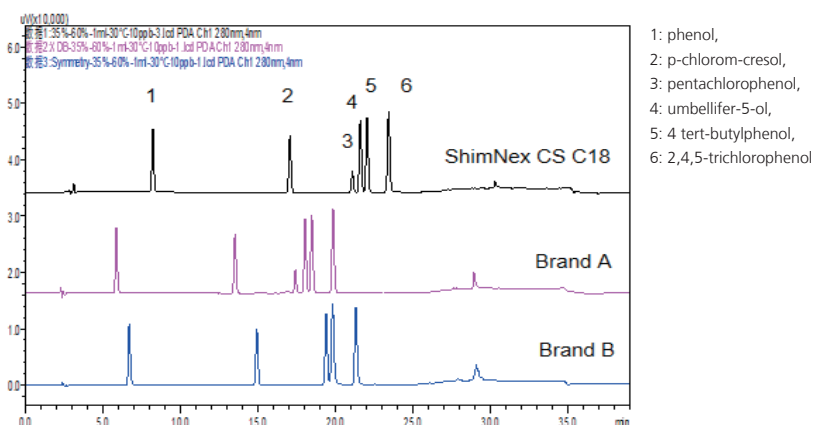


- Optimized surface area design with higher carbon load results in stronger retention, which is better for separation. So, the ShimNex CS C18 column is an ideal choice for method development especially for the complex component analysis.

Analysis of moxifloxacin hydrochloride related substances

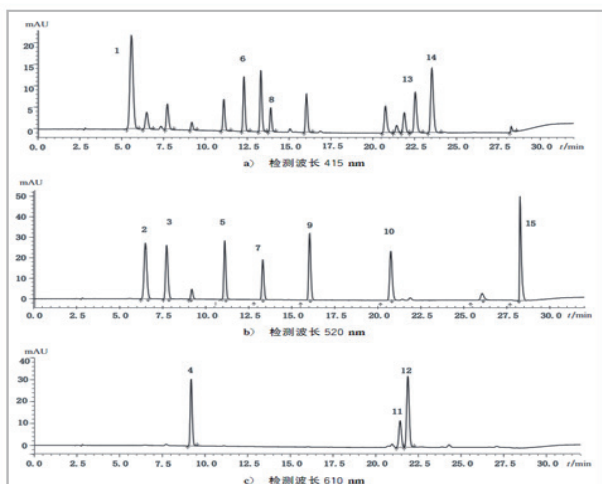


Analysis of 6 phenolic antimicrobials such as o-umbel hydrocarbon-5-ol in cosmetics

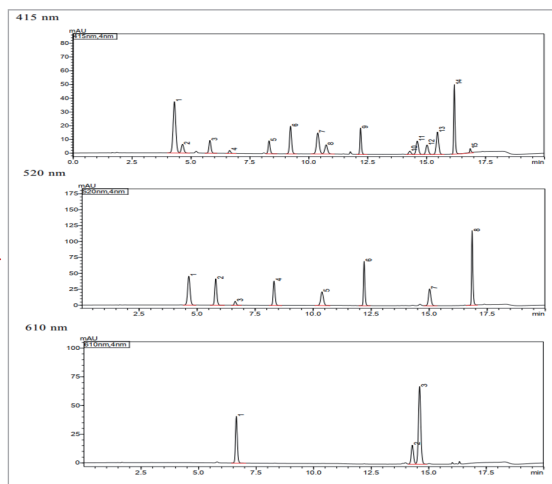


● Short columns can achieve the separation effect compared to the long columns

Analysis of colorants



C18, 5μm, 4.5x250mm



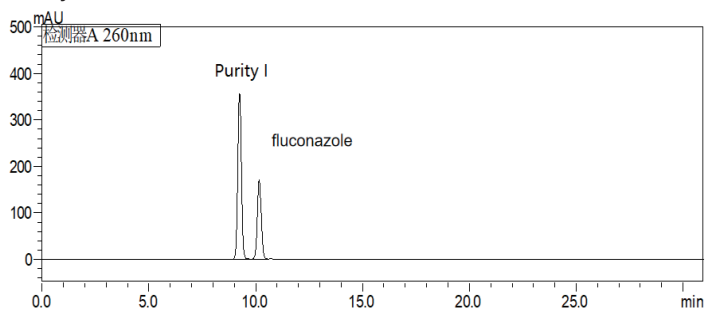
ShimNex CS C18, 5μm, 4.5x150mm

- 1、tartrazine
- 2、New red
- 3、Oka red
- 4、indigo
- 5、Carmine
- 6、Saliva Yellow 1
- 7、Sunset yellow
- 8、Saliva Yellow 2
- 9、Temptation Red
- 10、Brilliant Blue 1
- 11、Brilliant Blue 2
- 12、Acidic red
- 13、Whew Yellow 3
- 14、Saliva Yellow 4
- 15、Red Xue Hong

Application

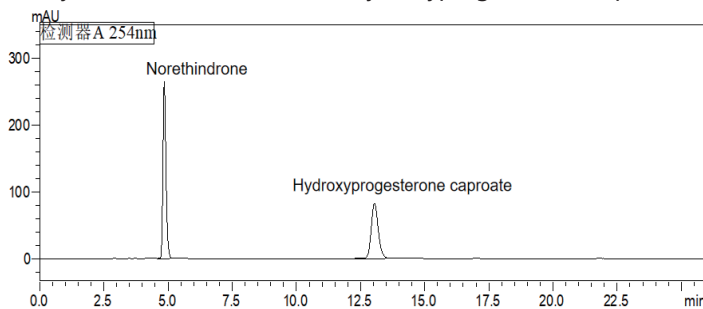
Optimized surface area design results in higher carbon load, and stronger retention than normal C18, better separation.

Analysis of fluconazole



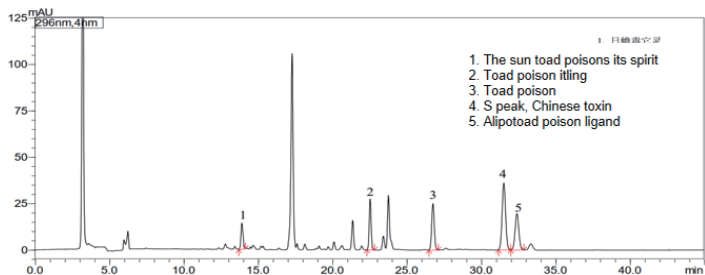
Column	5μm, 4.6x250mm
Mobile Phase	A) ACN B) 0.063% ammonium formate solution A/B=20/80 (v/v)
Flow Rate	1.1 mL/min
Col. Temp.	40 °C
Detection	UV 260 nm
Injection Vol.	20 μL

Analysis of Norethindrone and Hydroxyprogesterone caproate



Column	5μm, 4.6x250mm
Mobile Phase	A) methanol B) water A/B=85/15 (v/v)
Flow Rate	1.0 mL/min
Col. Temp.	25 °C
Detection	UV 254 nm
Injection Vol.	5 μL

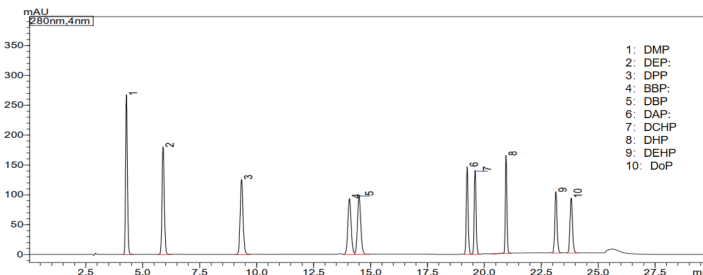
Analysis of characteristic atlas of toad venom



Column	5μm, 4.6x250mm
Mobile Phase	A) 0.3% acetic acid; B) Methanol
Flow Rate	0.6 mL/min
Col. Temp.	30 °C
Detection	UV at 296 nm
Injection Vol.	10 μL

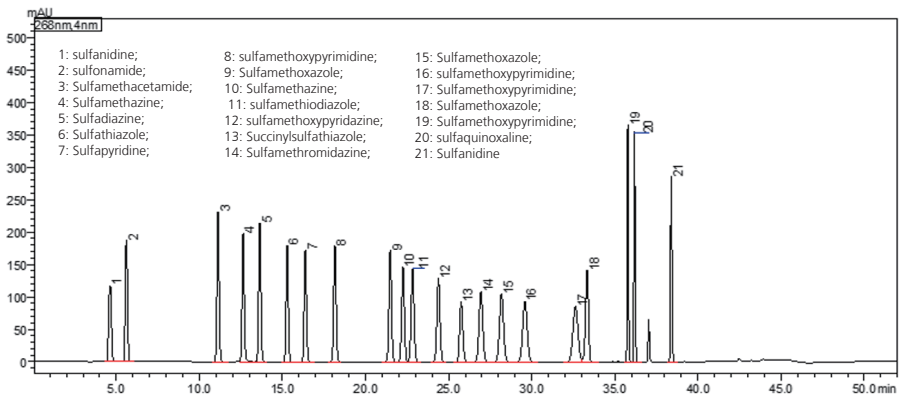
Time(min)	0	15	35	35.1	45
A (%)	72	46	46	72	72
B (%)	28	54	54	28	28

Analysis of 10 components, including dimethyl phthalate in cosmetics



Column	5μm, 4.6x250mm
Mobile Phase	A) methanol B) ACN A/B=90/10 (v/v)
Flow Rate	0.8 mL/min
Col. Temp.	40 °C
Detection	UV 265 nm
Injection Vol.	5 μL

GB/T 24800.6-2009-Simultaneous analysis of 21 sulfonamides in cosmetics



Column	5μm, 4.6x250mm
Mobile Phase	A) 0.1% FA B) Methanol A/B=85/15 (v/v)
Flow Rate	1.0 mL/min
Col. Temp.	30 C
Detection	268 nm
Injection Vol.	20 μL

● Analysis Column

	Particle Size(μm)	I.D.(mm)x Length(mm)	P/N
	5	4.6x250mm 4.6x150mm	380-01230-01 380-01230-02

● In-Line Guard Column

	P/N	Description
	380-01214-25	ShimNex CS C18 (G) In-Line Guard Column 10mm Holder
	380-01214-26	ShimNex CS C18 (G) In-Line Guard Column 5μm, 4.6x10 mm, with Cartridge (2 pcs)
	380-01214-27	ShimNex CS C18 (G) In-Line Guard Column 5μm, 4.6x10 mm, with Cartridge (2 pcs) +Holder
	380-01214-28	ShimNex CS C18 (G) In-Line Guard Column 5μm, 4.6x10 mm, with Cartridge (6 pcs)
	380-01214-29	ShimNex CS C18 (G) In-Line Guard Column 5μm, 4.6x10 mm, with Cartridge (6 pcs) +Holder



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