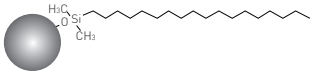
Welchrom® Seires HPLC Column

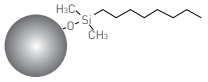
-- Combination of perfect peak shape and lowest back pressure

- Perfect peak shape and low back pressure
- Ultra-high purity(>99.999%) Type B silica particles
- New bonding and endcapping technique
- Economically priced

Welchrom® C18

Structural Formula	
pH Range	1.5-10.0
Particle Size	5 μm
Surface Area(m^2/g)	320(120 Å)
Carbon Loading(%)	19(120 Å)
USP List	L1
Endcapped	Yes

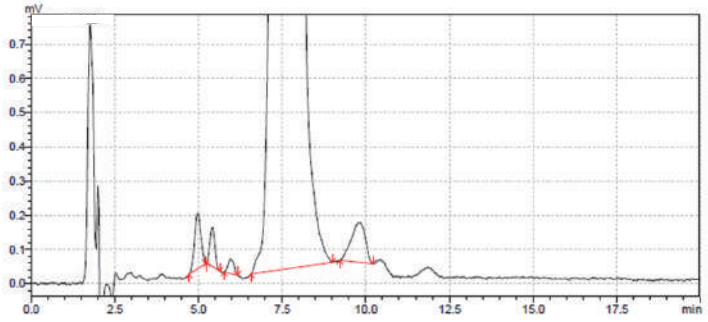
Welchrom® C8

Structural Formula	
pH Range	1.5-10
Particle Size	5 μm
Surface Area(m^2/g)	320(120 Å)
Carbon Loading(%)	12(120 Å)
USP List	L7
Endcapped	Yes

Comparison with other brands

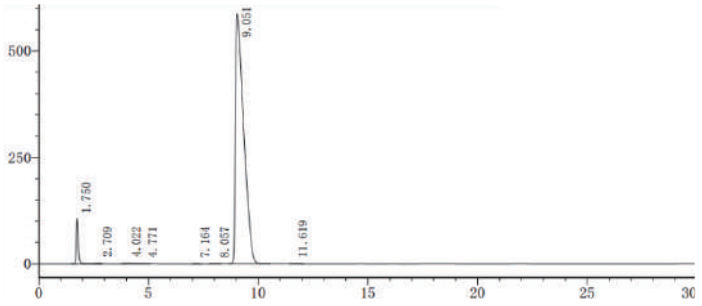
Brands	Tailing factor(amitriptyline)	Back pressure(Methanol/H_2O)=75/25
Welchrom® XB-C18	1.29	77 bar
Chrom C18	1.52	108 bar
Sino Chrom C18	1.71	106 bar
BinChrom C18	1.67	102 bar

Butenafine HCL



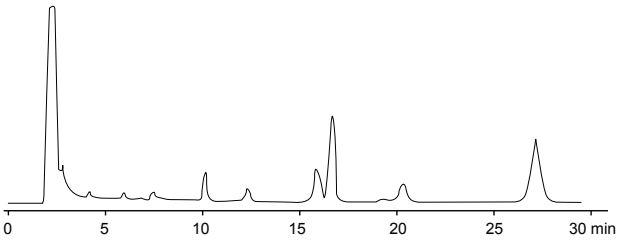
Column:	Welchrom® C18, 4.6x250 mm, 5 μm
Mobile Phase:	Acetate buffer/methanol/ isopropanol=17/70/13
Flow Rate:	1.0 mL/min
Temperature:	Ambient
Detector:	282 nm
Injection Volume:	10 μL

Pentoxyverine citrate



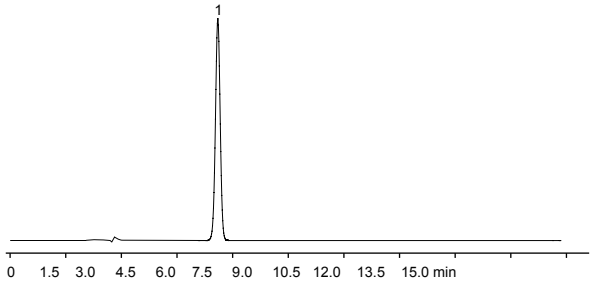
Column:	Welchrom® C18, 4.6x150 mm, 5 μm
Mobile Phase:	Water* /methanol=45/55 * Dilute 10 mL triethylamine to 1000 mL, adjust pH 3.0 with H_3PO_4
Flow Rate:	1.0 mL/min
Temperature:	30°C
Detector:	215 nm
Injection Volume:	20 μL

Tanshinone IIA in Salvia Miltiorrhiza



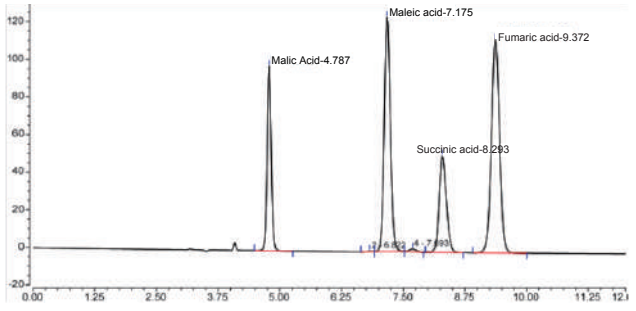
Column:	Welchrom® C18, 4.6x250 mm, 5 μm
Mobile Phase:	Methanol/water=75/25
Flow Rate:	1.0 mL/min
Temperature:	22°C
Detector:	270 nm

Imidacloprid



Column:	Welchrom® C18, 250x4.6 mm, 5 μm
Mobile Phase:	Methanol/water=45/55
Flow Rate:	1.0 mL/min
Temperature:	25°C
Detector:	260 nm

Malic acid



Column:	Welchrom® C8, 4.6x250 mm , 5 μm
Mobile Phase:	Phosphoric acid/methanol/ water=1/100/900
Flow Rate:	0.8 mL/min
Temperature:	20°C
Detector:	214nm
Injection Volume:	5 μL

Ordering Information

5 μm Welchrom Analytical Column

Bonded phase	Column ID (mm)	Column Length (mm)									Guard Cartridge	Cartridge holder
		30	50	75	100	125	150	200	250	300	10mm length	
C18	2.1	00310-02009	00310-02010	00310-02011	00310-02012	00310-02013	00310-02014	00310-02015	00310-02016	-	00808-24201	00808-01107
	3.0	00310-02018	00310-02019	00310-02020	00310-02021	00310-02022	00310-02023	00310-02024	00310-02025	-	00808-24201	00808-01107
	4.0	00310-02027	00310-02028	00310-02029	00310-02030	00310-02031	00310-02032	00310-02033	00310-02034	00310-02035	00808-04201	00808-01101
	4.6	00310-02036	00310-02037	00310-02038	00310-02039	00310-02040	00310-02041	00310-02042	00310-02043	00310-02044	00808-04210	00808-01101
C8	2.1	00320-02009	00320-02010	00320-02011	00320-02012	00320-02013	00320-02014	00320-02015	00320-02016	-	00808-24202	00808-01107
	3.0	00320-02018	00320-02019	00320-02020	00320-02021	00320-02022	00320-02023	00320-02024	00320-02025	-	00808-24202	00808-01107
	4.0	00320-02027	00320-02028	00320-02029	00320-02030	00320-02031	00320-02032	00320-02033	00320-02034	00320-02035	00808-04202	00808-01101
	4.6	00320-02036	00320-02037	00320-02038	00320-02039	00320-02040	00320-02041	00320-02042	00320-02043	00320-02044	00808-04202	00808-01101

Don't see your needed size or format? Contact Welch or your local distributor for other dimensions.