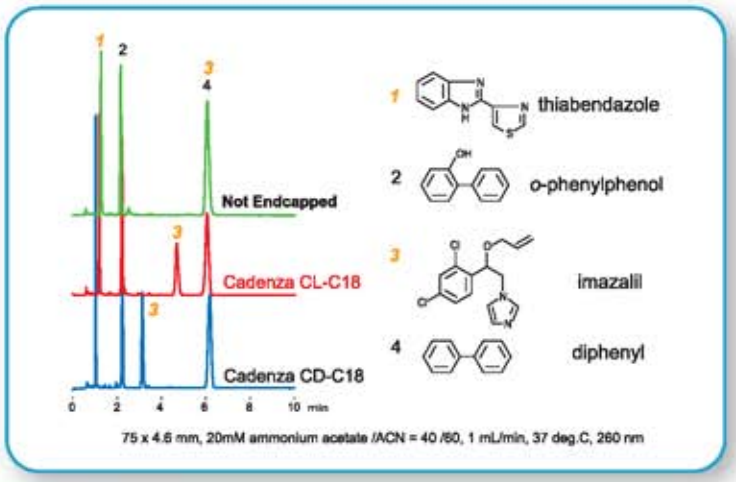
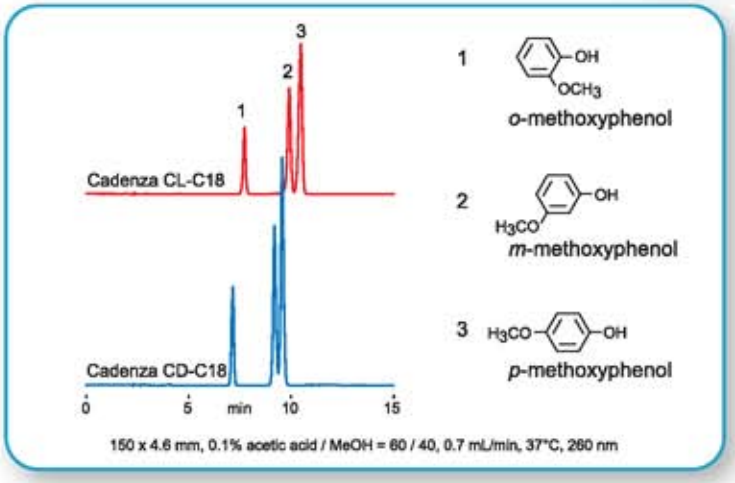
Cadenza CL-C18

World's First Silanol Regulated ODS Phase

Due to its partial endcapping, the Cadenza CL-C18 opens a new world of separation possibilities. Almost all recent ODS columns have complete endcapping. However, complete endcapping makes some separations impossible. Conversely, ODS columns without any endcapping provide poor elution characteristics due to the influence of silanol. Our new Cadenza CL-C18 with partial endcapping uniquely optimizes the remaining silanol.



75 x 4.6 mm, 20mM ammonium acetate /ACN = 40 /60, 1 mL/min, 37 deg.C, 260 nm



150 x 4.6 mm, 0.1% acetic acid / MeOH = 60 / 40, 0.7 mL/min, 37°C, 260 nm

The difference between Cadenzas CL-C18 and CD-C18 is that CL-C18 has more silanol remaining on the material surface. An example of the retention activity for an ionized compound (imazalil, pKa= ca.6) is pictured above show the influence on eluent separation and retention of CL-C18's remaining silanol. Imazalil retention is greatest with columns that are not endcapped, followed by CL-C18 and CD-C18 in that order.

CADENZA CL-C18 3 µm Particle Size Stationary Phase		Analytical Columns				Semi-Prep Columns	
	Length	Internal Diameter					
	mm	1	2	3	4.6	6	10
	10		CL020	CL030	CL000		
	20		CL029	CL039	CL009		
	30	CL011	CL021	CL031	CL001	CL061	CL0P1
	50	CL012	CL022	CL032	CL002	CL062	CL0P2
	75	CL013	CL023	CL033	CL003	CL063	CL0P3
	100	CL014	CL024	CL034	CL004	CL064	CL0P4
	150	CL015	CL025	CL035	CL005	CL065	CL0P5
	250	CL016	CL026	CL036	CL006	CL066	CL0P6
	500				CL007		

Guard Cartridges		
1 mm	GCCL0C	
2-6mm	GCCL0S	
10 mm	GCCL0M	

Guard Holders		
1-6mm	GCH01S	
10mm	GCH02M	