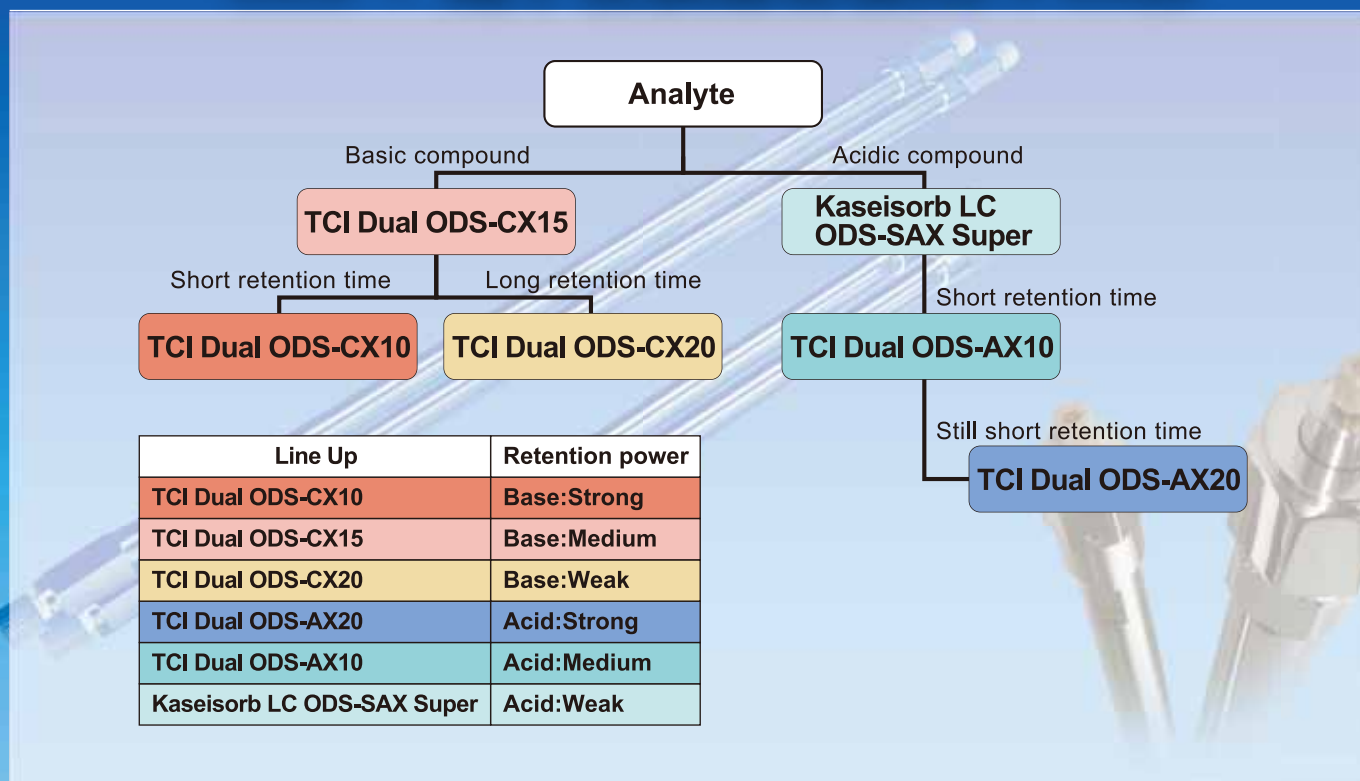


# TCI Dual

## ODS + 离子交换混合模式HPLC柱



Line Up	Retention power
TCI Dual ODS-CX10	Base:Strong
TCI Dual ODS-CX15	Base:Medium
TCI Dual ODS-CX20	Base:Weak
TCI Dual ODS-AX20	Acid:Strong
TCI Dual ODS-AX10	Acid:Medium
Kaseisorb LC ODS-SAX Super	Acid:Weak

### Serotonin Metabolites

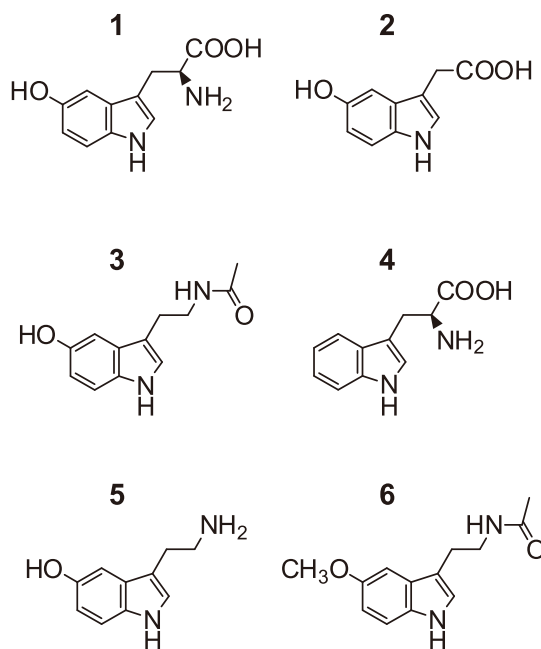
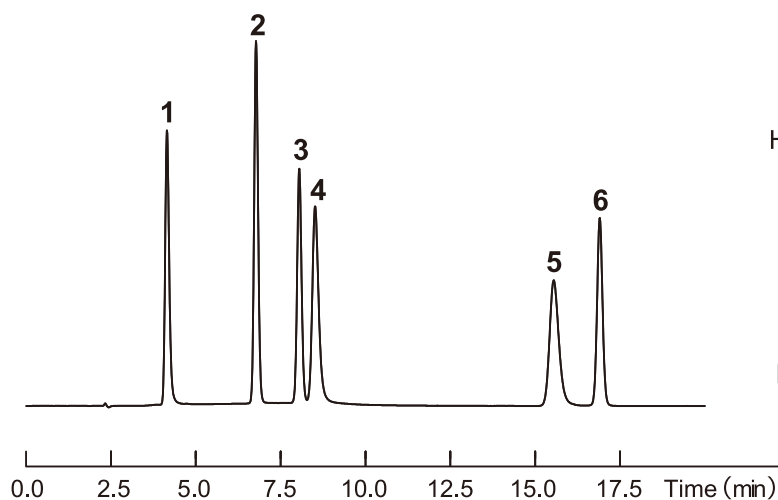
Column : TCI Dual ODS-CX15 4.6 mm I.D. × 150 mm  
 Mobile Phase: A) CH<sub>3</sub>CN / 50mmol/L HCOONH<sub>4</sub> (pH3.5, HCOOH) = 10 / 90  
 B) CH<sub>3</sub>CN / 50mmol/L HCOONH<sub>4</sub> (pH3.5, HCOOH) = 70 / 30  
 0-50%B(0-30min.)

Flow Rate : 1.0 mL/min

Temperature : 25 °C

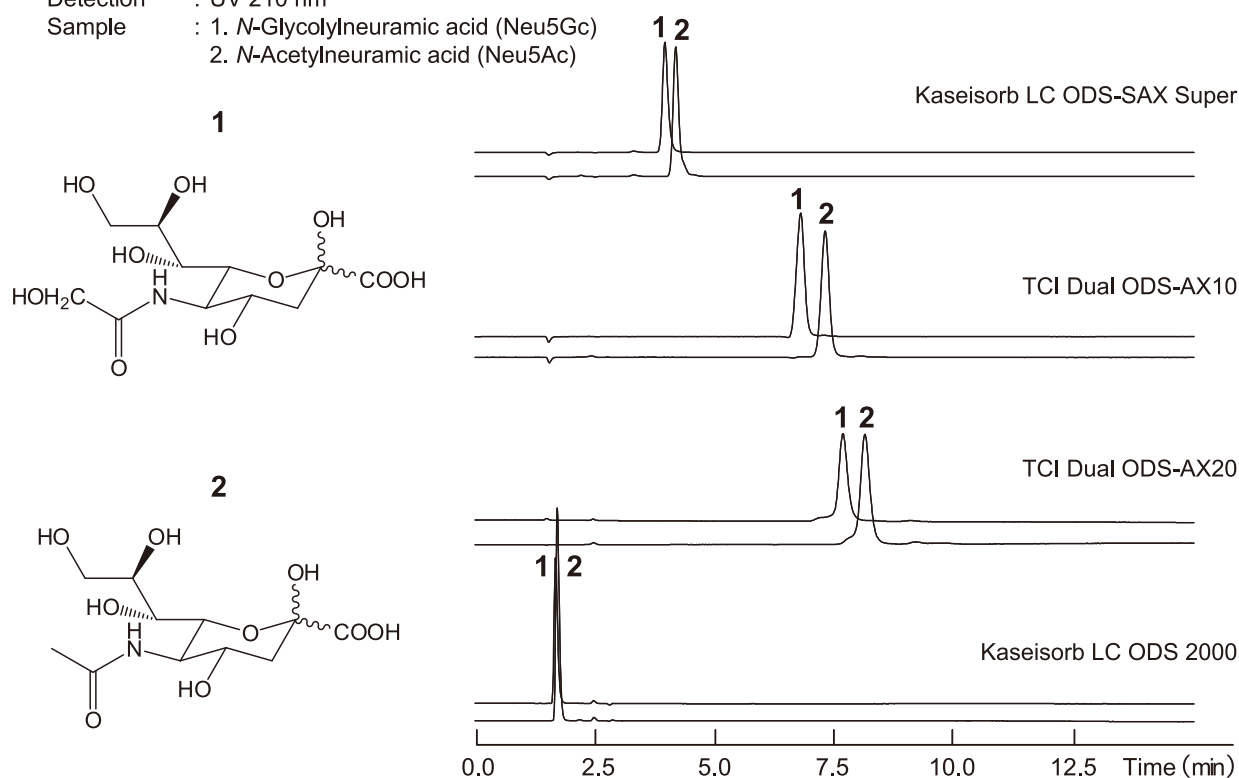
Detection : UV 254 nm

Sample : 1. 5-Hydroxy-L-tryptophan  
 2. 5-Hydroxy-3-acetic Acid (5-HIAA)  
 3. Acetylserotonin  
 4. L-Tryptophan  
 5. Serotonin  
 6. Melatonin



## Sialic Acids

Column size : 4.6 mm I.D. × 150 mm  
 Mobile Phase : CH<sub>3</sub>CN / 10mmol/L CH<sub>3</sub>COONH<sub>4</sub> (pH5.0, CH<sub>3</sub>COOH) = 5 / 95  
 Flow Rate : 1.0 mL/min  
 Temperature : 30 °C  
 Detection : UV 210 nm  
 Sample : 1. *N*-Glycolylneuramic acid (Neu5Gc)  
 2. *N*-Acetylneuramic acid (Neu5Ac)



Type	ODS+Cation -Exchange for <b>Basic compounds</b>					ODS+Anion -Exchange for <b>Acidic compounds</b>			
	TCI Dual ODS-CX10		TCI Dual ODS-CX15		TCI Dual ODS-CX20	TCI Dual ODS-AX20	TCI Dual ODS-AX10	Kaseisorb LC ODS-SAX Super	
Retention Power	Strong		Medium		Weak	Strong	Medium	Weak	
Particle size (μm)	3	5	3	5	5	5	5	3	5
2.0 mm I.D. x 50 mm	S3786	S3705	S3777	S3765	S3715	S3735	S3725	S1841	S1821
2.0 mm I.D. x 100 mm	S3787	S3707	S3778	S3767	S3717	S3737	S3727	S1842	S1832
2.0 mm I.D. x 150 mm	S3788	S3702	S3779	S3762	S3712	S3732	S3722	S1843	S1298
2.0 mm I.D. x 250 mm	-	S3703	-	S3763	S3713	S3733	S3723	-	S1299
4.6 mm I.D. x 50 mm	S3789	S3704	S3780	S3764	S3714	S3734	S3724	S1844	S1833
4.6 mm I.D. x 100 mm	S3790	S3709	S3781	S3769	S3719	S3739	S3729	S1845	S1834
4.6 mm I.D. x 150 mm	S3791	S3700	S3782	S3760	S3710	S3730	S3720	S1846	S1292
4.6 mm I.D. x 250 mm	S3792	S3701	S3783	S3761	S3711	S3731	S3721	S1847	S1293
10.0 mm I.D. x 150 mm	-	S3706	-	S3766	S3716	S3736	S3726	-	S1835
10.0 mm I.D. x 250 mm	-	S3708	-	S3768	S3718	S3738	S3728	-	S1836
Cartridge type Guard column [The cartridge need to be mounted in a holder (S1450)]									
3.0 mm I.D. x 15 mm	S3770		S3771		S3772	S3775	S3774	S3773	

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