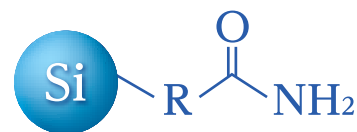


Inertsil® Amide

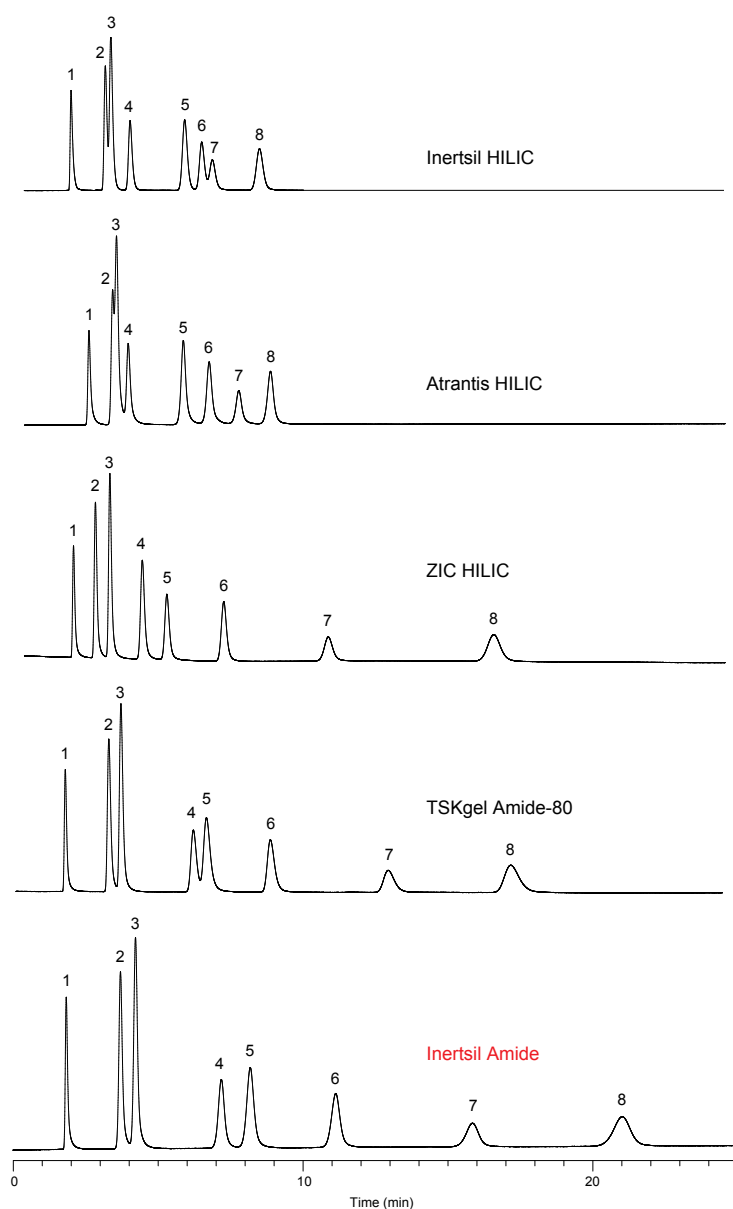
Physical Properties

- Silica : 3 Series High Purity Silica Gel
- Particle Size : 3 μm, 5 μm
- Surface Area : 450 m²/g
- Pore Size : 100 Å (10 nm)
- Pore Volume : 1.05 mL/g
- Bonded Phase : Carbamoyl Groups
- End-capping : None
- Carbon Loading : 18 %
- USP Code : None
- pH Range : 2 ~ 7.5



Inertsil Amide column is bonded of carbamoyl group, and it shows strong retention of highly polar compounds. As shown below, compare to other commercial columns, Inertsil Amide showed high retentivity. Inertsil Amide provides excellent performance for those hard to retain compounds using an ODS column with a long lifetime.

Figure 1 : Comparasion with other brands

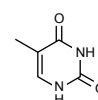


Conditions

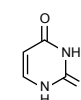
Column Size : 5 μm, 150 × 2.0 or 2.1 mm I.D.
 Eluent : A) CH₃CN
 B) 10 mM HCOONH₄
 A/B = 90/10, v/v
 Flow Rate : 0.2 mL/min
 Col.Temp. : 35 °C
 Detection : UV 254 nm



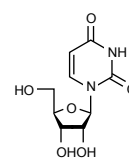
1. Toluene



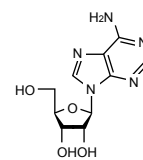
2. Thymine



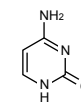
3. Uracil



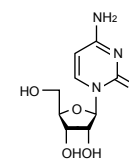
4. Uridine



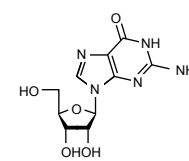
5. Adenosine



6. Cytosine



7. Cytidine



8. Guanosine

Analytical Columns

Particle Size: 3 µm	Length \ I.D. (mm)	1.0	1.5		
	33	5020-86831	5020-86841		
	50	5020-86832	5020-86842		
	75	5020-86833	5020-86843		
	100	5020-86834	5020-86844		
	150	5020-86835	5020-86845		
	250	5020-86836	5020-86846		
	Length \ I.D. (mm)	2.1	3.0	4.0	4.6
	33	5020-07861	5020-07871	5020-07881	5020-07891
	50	5020-07862	5020-07872	5020-07882	5020-07892
	75	5020-07863	5020-07873	5020-07883	5020-07893
	100	5020-07864	5020-07874	5020-07884	5020-07894
	150	5020-07865	5020-07875	5020-07885	5020-07895
	250	5020-07866	5020-07876	5020-07886	5020-07896
	Particle Size: 5 µm	Length \ I.D. (mm)	1.0	1.5	
33		5020-86811	5020-86821		
50		5020-86812	5020-86822		
75		5020-86813	5020-86823		
100		5020-86814	5020-86824		
150		5020-86815	5020-86825		
250		5020-86816	5020-86826		
Length \ I.D. (mm)		2.1	3.0	4.0	4.6
33		5020-07801	5020-07811	5020-07821	5020-07831
50		5020-07802	5020-07812	5020-07822	5020-07832
75		5020-07803	5020-07813	5020-07823	5020-07833
100		5020-07804	5020-07814	5020-07824	5020-07834
150		5020-07805	5020-07815	5020-07825	5020-07835
250		5020-07806	5020-07816	5020-07826	5020-07836

* End-fittings are 1/16" Waters-compatible.

* For maximum operating pressure information, please refer to page 46.

Cartridge Guard Column E

I.D. of the Analytical Column Applicable (mm)	Length (mm)	I.D. (mm)	Replacement Cartridge E Guard Column (2 EA.)		Cartridge E Holder / Cartridge Set (2 Cartridge E Guard Columns & 1 Holder)	
			Particle Size		Particle Size	
			3 µm	5 µm	3 µm	5 µm
1.0	10	1.0	5020-20156	5020-20155	5020-20158	5020-20157
1.5, 2.1		1.5	5020-20160	5020-20159	5020-20162	5020-20161
2.1, 3.0		3.0	5020-20152	5020-20151	5020-20154	5020-20153
4.0, 4.6		4.0	5020-20148	5020-20147	5020-20150	5020-20149
2.1, 3.0	20	3.0	5020-20168	5020-20167	5020-20170	5020-20169
4.0, 4.6		4.0	5020-20164	5020-20163	5020-20166	5020-20165
Holder for Cartridge Guard Column E				For 10 mm Length		5020-08500
				For 20 mm Length		5020-08550

* End-fittings are 1/16" Waters-compatible.

* For maximum operating pressure information, please refer to page 46.

Reversed Phase Columns

HILIC Columns

Normal Phase Columns

SEC Columns

Ion Exchange Columns

Application Specific Columns

Guard Columns

Preparative Columns

Capillary Columns

Applications

Cat. No. Index