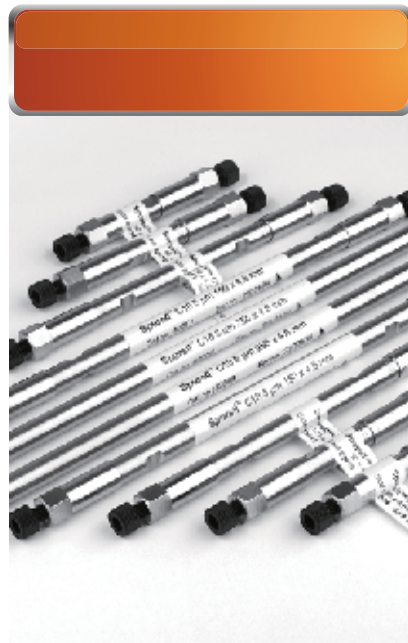


# HPLC | UHPLC Columns



## About Dikma HPLC | UHPLC Columns

Dikma has over 15 years of R&D experience in HPLC / UHPLC columns. Dikma HPLC / UHPLC columns have been widely used by pharmaceutical manufacturers. We offer columns of ultimate performance and maximum versatility to address the challenges and increasing needs of today's chromatographic laboratories.

The quality of packing material is the basis for all good chromatographic separation. Dikma is in a unique position to control the manufacturing process from start to finish, from making high-purity (99.999%) raw silica to applying different bonding chemistries. Furthermore, to ensure the high performance and robustness of our columns, we maintain tight specifications during all stages of the manufacturing process and follow rigid, audited ISO 9001 procedures to guarantee reproducible products. The end results that get delivered to you are columns that perform at their best and offer you highly reproducible batch-to-batch results without alteration of HPLC / UHPLC conditions.

## Dikma HPLC | UHPLC Columns List

Brand	Chemistry	Features
Endeavorsil™	Endeavorsil™ C18	<ul style="list-style-type: none"> <li>1.8 μm UHPLC columns</li> <li>Exceptional speed, resolution, and sensitivity</li> </ul>
Leapsil™	Leapsil™ C18	<ul style="list-style-type: none"> <li>2.7 μm, compatible with all HPLC and UHPLC instruments</li> <li>Flexible method development</li> </ul>
Inspire™	Inspire™ C18	<ul style="list-style-type: none"> <li>High-end columns to meet high separation demands</li> <li>Rapid separations with outstanding resolutions</li> <li>Superior batch-to-batch reproducibility</li> </ul>
	Inspire™ C8	
	Inspire™ HILIC <b>NEW</b>	
	Inspire™ Diol <b>NEW</b>	
Spursil™	Spursil™ C18	<ul style="list-style-type: none"> <li>Polar modification columns with maximal polar retention and selectivity</li> <li>Silanol shielding for excellent peak shape</li> <li>Suitable for highly aqueous mobile phase conditions</li> </ul>
	Spursil™ C18-EP	
Platisil™	Platisil™ C18	<ul style="list-style-type: none"> <li>Universal and cost-effective columns</li> <li>Unique selectivity, excellent peak shape</li> <li>Useful in normal or reversed phase applications</li> </ul>
	Platisil™ NH <sub>2</sub> <b>NEW</b>	
	Platisil™ CN <b>NEW</b>	
	Platisil™ PH <b>NEW</b>	
Diamonsil®	Platisil™ Silica <b>NEW</b>	<ul style="list-style-type: none"> <li>Universal reversed phase columns</li> <li>High efficiency and outstanding lifetime</li> </ul>
	Diamonsil® C18	
	Diamonsil® C8	
Bio-Bond™	Diamonsil® AAA	<ul style="list-style-type: none"> <li>300Å, designed to analyze and purify proteins, peptides, and biomolecules</li> <li>Direct scale-up to preparative material</li> </ul>
	Bio-Bond™ C18	
	Bio-Bond™ C8	
	Bio-Bond™ C4	



# Endeavorsil™ 1.8 μm UHPLC Columns



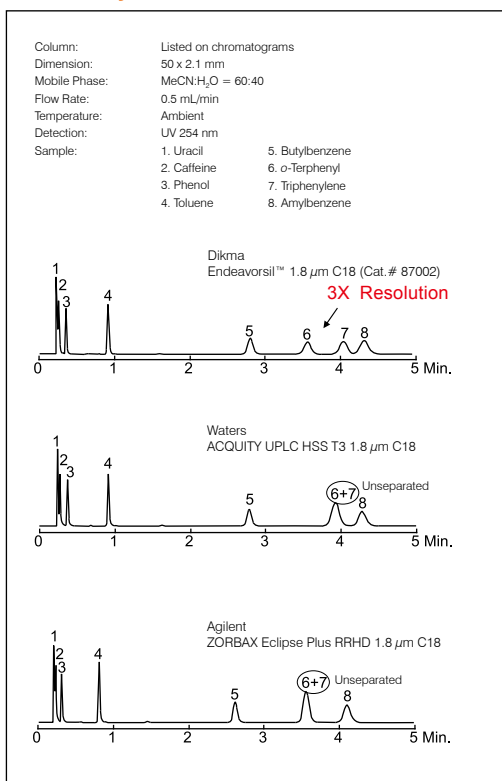
## Features of Endeavorsil™ Columns

- Combined speed, resolution, and sensitivity
- Reduced analysis time and solvent waste
- High efficiency combined with high selectivity and productivity
- Superior column performance at higher pressure
- Excellent separation characteristics over a wide pH range

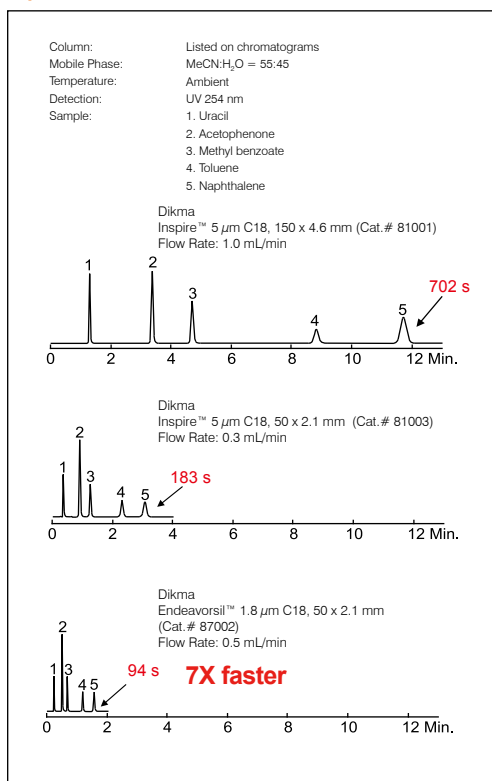
## Endeavorsil™ Material Characteristics

Bonded phase	Particle size (μm)	Pore size (Å)	Surface area (m <sup>2</sup> /g)	Purity (%)	Phase density (μmol/m <sup>2</sup> )	Carbon loading (%)	pH range	Endcapping
C18	1.8	120	300	> 99.999	3.5	20	1.5-9	Yes

### Selectivity\*



### Speed



\* ACQUITY UPLC is a registered trademark of Waters Corporation. Dikma Technologies Inc. is not affiliated with the above company.  
 \* ZORBAX is a registered trademark of Agilent Technologies. Dikma Technologies Inc. is not affiliated with the above company.

## Endeavorsil™ Ordering Information

1.8 μm Microbore Columns (2.1 mm ID)				
Phase	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1
Endeavorsil™ C18	87001	87002	87003	87004

## Leapsil™ HPLC | UHPLC Compatible Columns



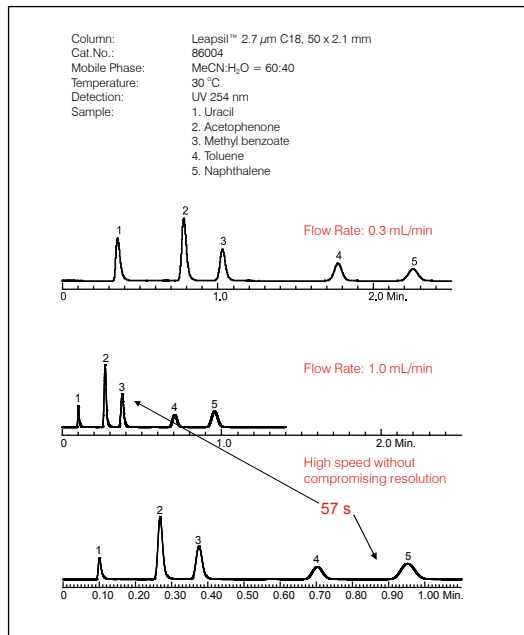
### Features of Leapsil™ Columns

- Ultra fast separation without compromising resolution
- Low operating pressure allows higher flow rates
- Compatible with all HPLC and UHPLC instruments
- Method development flexibility
- Wide pH stability
- Full spectrum of phases and selectivities

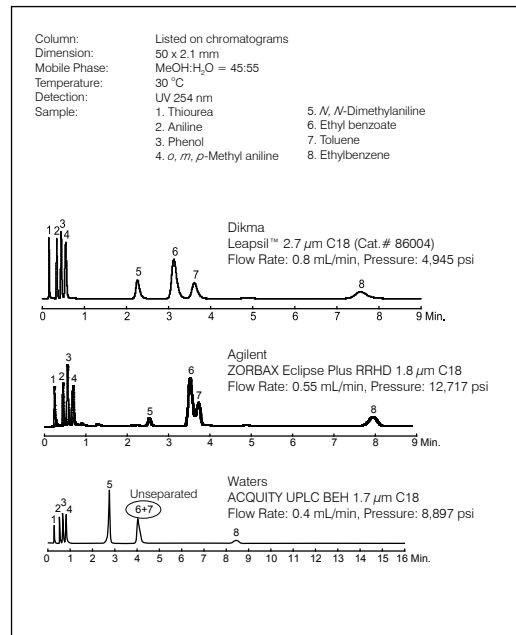
### Leapsil™ Material Characteristics

Bonded phase	Particle size (μm)	Pore size (Å)	Surface area (m <sup>2</sup> /g)	Purity (%)	Phase density (μmol/m <sup>2</sup> )	Carbon loading (%)	pH range	Endcapping
C18	2.7	100	440	> 99.999	3.9	27	1.5-10	Yes

### Speed



### Selectivity\*



\* ZORBAX is a registered trademark of Agilent Technologies. Dikma Technologies Inc. is not affiliated with the above company.

\* ACQUITY UPLC is a registered trademark of Waters Corporation. Dikma Technologies Inc. is not affiliated with the above company.

### Leapsil™ Ordering Information

2.7 μm Microbore Columns (2.1 mm ID)			
Phase	50 x 2.1	100 x 2.1	150 x 2.1
Leapsil™ C18	86004	86005	86006
2.7 μm Analytical Columns (3.0 mm ID)			
Phase	50 x 3.0	100 x 3.0	150 x 3.0
Leapsil™ C18	86007	86008	86009
2.7 μm Analytical Columns (4.6 mm ID)			
Phase	50 x 4.6	100 x 4.6	150 x 4.6
Leapsil™ C18	86001	86002	86003



## Inspire™ HPLC Columns

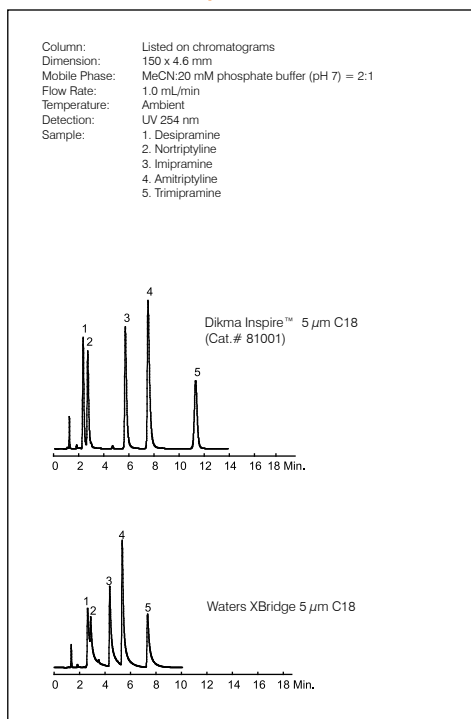
### Features of Inspire™ Columns

- High efficiency
- Longer column lifetime
- Efficient method development
- Outstanding selectivity
- Extreme resolution
- Excellent batch-to-batch reproducibility

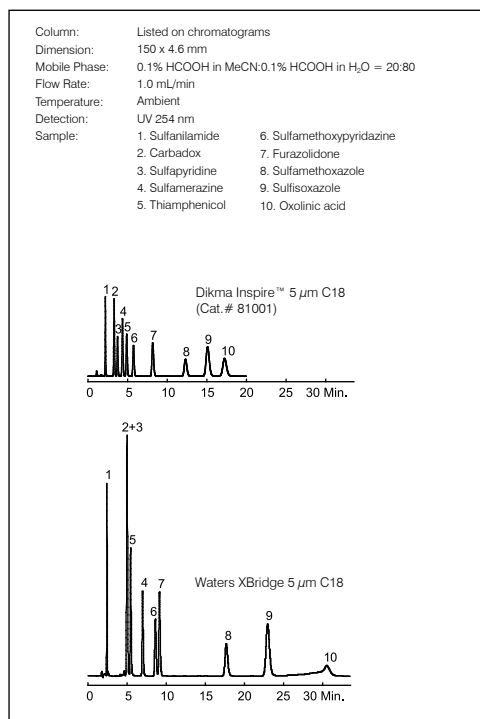
### Inspire™ Material Characteristics

Bonded phase	Particle size (µm)	Pore size (Å)	Surface area (m <sup>2</sup> /g)	Purity (%)	Phase density (µmol/m <sup>2</sup> )	Carbon loading (%)	pH range	Endcapping
C18	3, 5, 10	100	440	> 99,999	3.9	27	1-11	Yes
C8	3, 5, 10	100	440	> 99,999	4.2	17	1-11	Yes
HILIC <b>NEW</b>	3, 5, 10	100	440	> 99,999	–	–	1.5-7.5	No
Diol <b>NEW</b>	3, 5, 10	100	440	> 99,999	2.1	7.5	2-7.5	No

### TCA<sup>s</sup> at Neutral pH Conditions\*



### Antibacterials\*



\* XBridge is a trademark of Waters Corporation. Dikma Technologies Inc. is not affiliated with the above company.

## Inspire™ Ordering Information

3 μm Microbore Columns (2.1 mm ID)						Guard Cartridges, 2/pk
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	10 x 2.1
Inspire™ C18	81030	81004	81012	81013	81015	6501
Inspire™ C8	81130	81104	81112	81113	81115	6502
Inspire™ HILIC	81430	81404	81412	81413	81415	–
Inspire™ Diol	81230	81204	81212	81213	81215	–
3 μm Analytical Columns (3.0 mm ID)						10 x 2.1
Phases	30 x 3.0	50 x 3.0	100 x 3.0	150 x 3.0	250 x 3.0	10 x 2.1
Inspire™ C18	81029	81021	81022	81023	81024	6501
Inspire™ C8	81129	81121	81122	81123	81124	6502
Inspire™ HILIC	81429	81421	81422	81423	81424	–
Inspire™ Diol	81229	81221	81222	81223	81224	–
3 μm Analytical Columns (4.6 mm ID)						10 x 4.0
Phases	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	10 x 4.0
Inspire™ C18	81031	81016	81017	81018	81020	6601
Inspire™ C8	81131	81116	81117	81118	81120	6602
Inspire™ HILIC	81431	81416	81417	81418	81420	–
Inspire™ Diol	81231	81216	81217	81218	81220	–
5 μm Microbore Columns (2.1 mm ID)						10 x 2.1
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	10 x 2.1
Inspire™ C18	81033	81003	81007	81002	81009	6503
Inspire™ C8	81133	81103	81107	81102	81109	6504
Inspire™ HILIC	81433	81403	81407	81402	81409	–
Inspire™ Diol	81233	81203	81207	81202	81209	–
5 μm Analytical Columns (3.0 mm ID)						10 x 2.1
Phases	30 x 3.0	50 x 3.0	100 x 3.0	150 x 3.0	250 x 3.0	10 x 2.1
Inspire™ C18	81032	81025	81026	81027	81028	6503
Inspire™ C8	81132	81125	81126	81127	81128	6504
Inspire™ HILIC	81432	81425	81426	81427	81428	–
Inspire™ Diol	81232	81225	81226	81227	81228	–
5 μm Analytical Columns (4.6 mm ID)						10 x 4.0
Phases	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	10 x 4.0
Inspire™ C18	81034	81010	81011	81001	81006	6603
Inspire™ C8	81134	81110	81111	81101	81106	6604
Inspire™ HILIC	81434	81410	81411	81401	81406	–
Inspire™ Diol	81234	81210	81211	81201	81247	–

EasyGuard™ Guard Holder: Cat.# 6220

5 μm and 10 μm Semi-preparative Columns						Guard Cartridges, 2/pk	
Phases	Particle Size (μm)	250 x 4.6	250 x 10.0	150 x 21.2	250 x 21.2	10 x 10.0	10 x 21.2
Inspire™ C18	5	81006	81038	81045	81039	6505	6506
Inspire™ C18	10	81035	81036	81046	81037	6511	6512
Inspire™ C8	5	81106	81138	81145	81139	6507	6508
Inspire™ C8	10	81135	81136	81146	81137	6513	6514
Inspire™ HILIC	5	81406	81438	81445	81439	–	–
Inspire™ HILIC	10	81435	81436	81446	81437	–	–
Inspire™ Diol	5	81247	81238	81245	81239	6509	6510
Inspire™ Diol	10	81235	81236	81246	81237	6515	6516

10 mm Guard Holder: Cat.# 6221; 21.2 mm Guard Holder: Cat.# 6222

## Spursil™ HPLC Columns

### Features of Spursil™ Columns

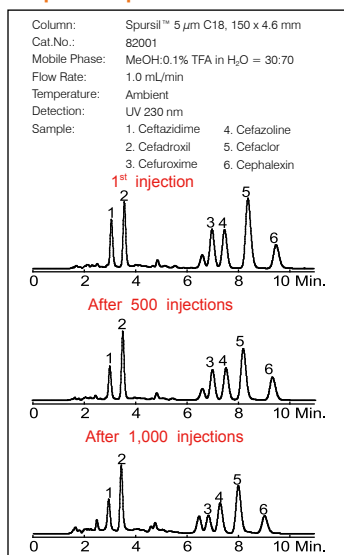
- Combine high-purity silica with unique polar modification technology
- Maintain characteristics of conventional reversed phases
- Unique selectivity and enhanced resolution
- Reduced silanol interactions and improved peak shape for basic analytes
- Stable retention in highly aqueous mobile phase conditions
- Enhanced retention for polar compounds
- Extended range pH stability
- Choose from a variety of selectivities and hardware formats



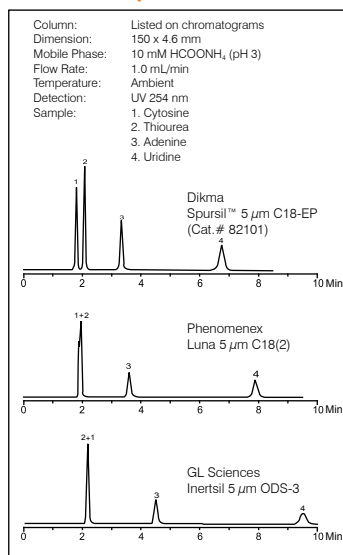
### Spursil™ Material Characteristics

Bonded phase	Particle size (µm)	Pore size (Å)	Surface area (m²/g)	Purity (%)	Phase density (µmol/m²)	Carbon loading (%)	pH range	Endcapping
C18	3, 5, 10	100	440	> 99,999	3.5	25	1.5-10	Yes
C18-EP	3, 5, 10	100	440	> 99,999	3.4	24	1.5-10	Yes

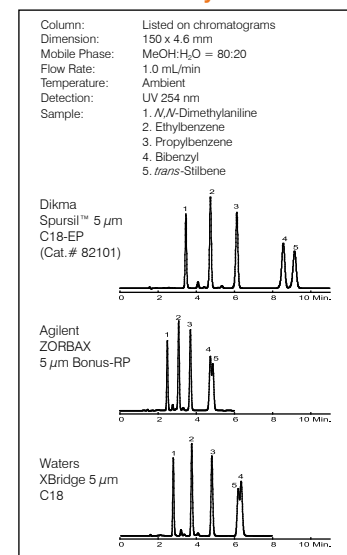
### Cephalosporin



### Polar Compounds\*



### Steric Selectivity\*



\* Inertsil is a registered trademark of GL Sciences Inc., Dikma Technologies Inc. is not affiliated with the above company.  
 \* Luna is a registered trademark of Phenomenex. Dikma Technologies Inc. is not affiliated with the above company.  
 \* ZORBAX is a registered trademark of Agilent Technologies. Dikma Technologies Inc. is not affiliated with the above company.  
 \* XBridge is a trademark of Waters Corporation. Dikma Technologies Inc. is not affiliated with the above company.

### Spursil™ Ordering Information

3 µm Microbore Columns (2.1 mm ID)						5 µm Microbore Columns (2.1 mm ID)				
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1
Spursil™ C18	82030	82004	82012	82013	82015	82033	82003	82007	82002	82009
Spursil™ C18-EP	82130	82104	82112	82113	82115	82133	82103	82107	82102	82109
3 µm Analytical Columns (3.0 mm ID)						5 µm Analytical Columns (3.0 mm ID)				
Phases	30 x 3.0	50 x 3.0	100 x 3.0	150 x 3.0	250 x 3.0	30 x 3.0	50 x 3.0	100 x 3.0	150 x 3.0	250 x 3.0
Spursil™ C18	82029	82021	82022	82023	82024	82032	82025	82026	82027	82028
Spursil™ C18-EP	82129	82121	82122	82123	82124	82132	82125	82126	82127	82128
3 µm Analytical Columns (4.6 mm ID)						5 µm Analytical Columns (4.6 mm ID)				
Phases	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6
Spursil™ C18	82031	82016	82017	82018	82020	82034	82010	82011	82001	82006
Spursil™ C18-EP	82131	82116	82117	82118	82120	82134	82110	82111	82101	82106

EasyGuard™ Guard Holder: Cat. # 6220

## Platisil™ HPLC Columns

### Features of Platisil™ Columns

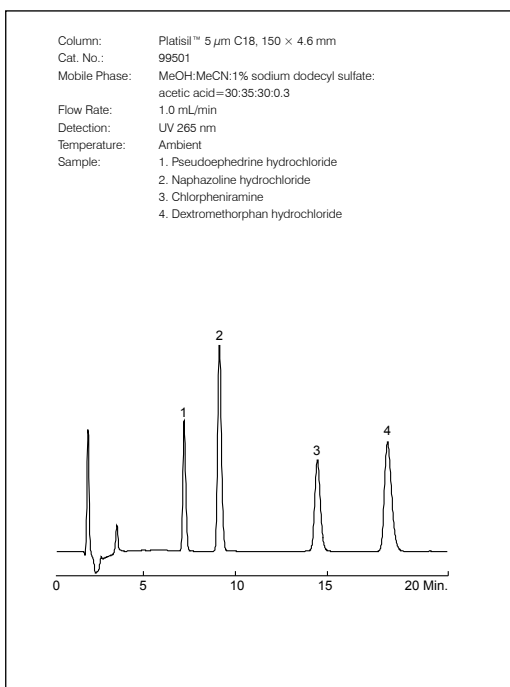
- Universal and cost-effective columns
- Unique selectivity, excellent peak shape
- Useful in normal or reversed phase applications
- High loadability



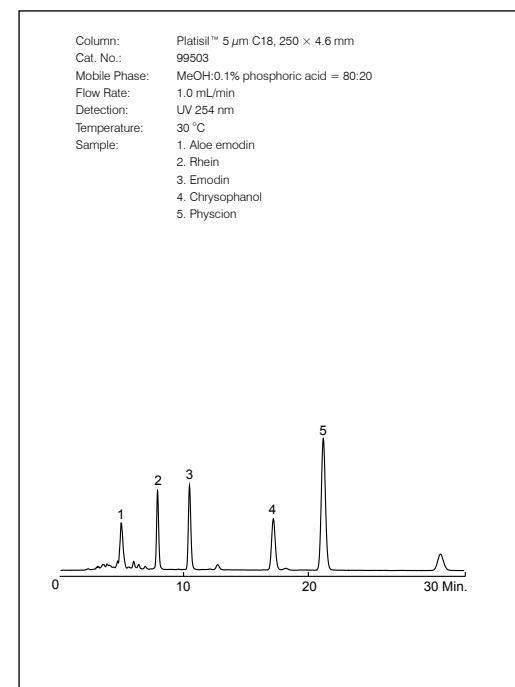
### Platisil™ Material Characteristics

Bonded phase	Particle size (μm)	Pore size (Å)	Surface area (m <sup>2</sup> /g)	Purity (%)	Phase density (μmol/m <sup>2</sup> )	Carbon loading (%)	pH range	Endcapping
C18	5	100	440	> 99.999	1.8	15	1-11	Yes
NH <sub>2</sub> <b>NEW</b>	5	100	440	> 99.999	3.2	7	2-7.5	No
CN <b>NEW</b>	5	100	440	> 99.999	4.8	12	1.5-7.5	Yes
Silica <b>NEW</b>	5	100	440	> 99.999	-	-	1.5-7.5	No
PH <b>NEW</b>	5	100	440	> 99.999	4.1	14	1.5-7.5	Yes

### Cold Medicine



### The Active Ingredients of Rhubarb



### Platisil™ Ordering Information

5 μm Analytical Columns		
Phases	150 x 4.6	250 x 4.6
Platisil™ C18	99501	99503
Platisil™ NH <sub>2</sub>	99504	99505
Platisil™ CN	99506	99507
Platisil™ Silica	99508	99509
Platisil™ PH	99510	99511



# Diamonsil<sup>®</sup> HPLC Columns

## Features of Diamonsil<sup>®</sup> Columns

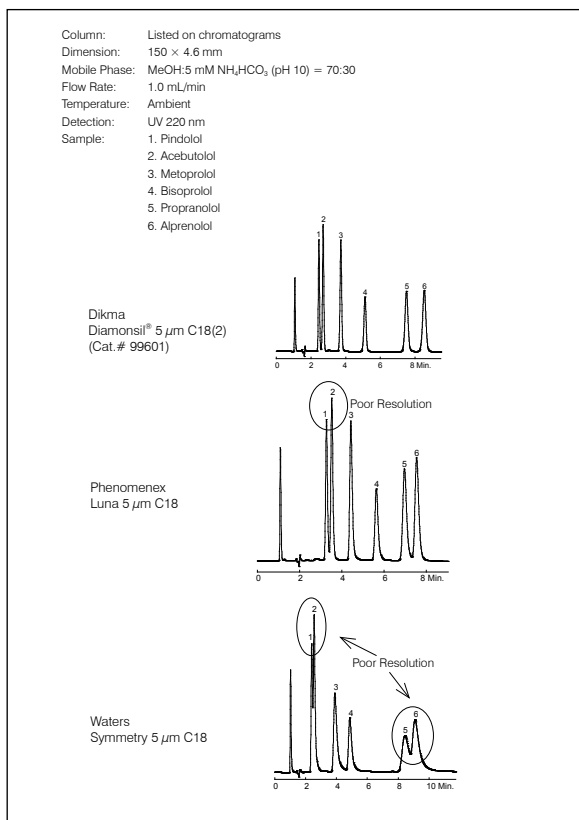
- Universal reversed phase columns
- High efficiency and outstanding lifetime
- Suitable for faster method development
- Superior batch-to-batch reproducibility



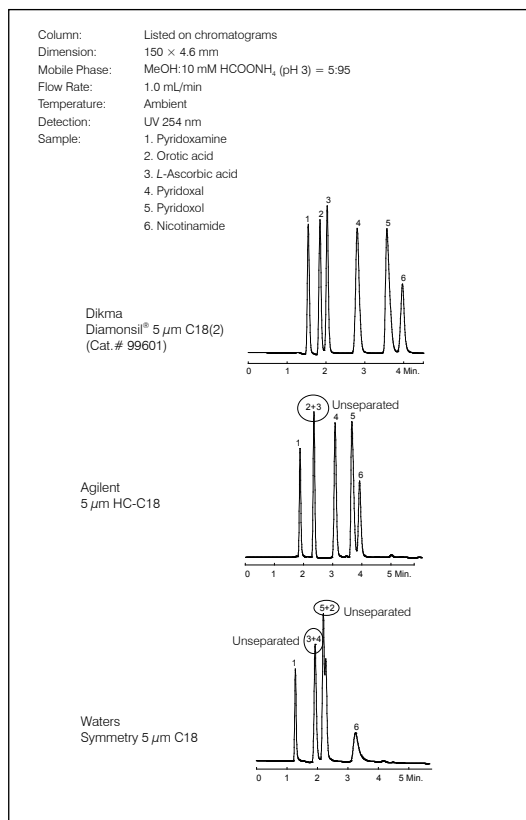
## Diamonsil<sup>®</sup> Material Characteristics

Bonded phase	Particle size (µm)	Pore size (Å)	Surface area (m <sup>2</sup> /g)	Purity (%)	Impurities (mg/kg)	Carbon loading (%)	pH range	Endcapping
C18(2)	3, 5, 10	100	440	> 99,999	< 10	27	1.5-9	Yes
C8(2)	3, 5, 10	100	440	> 99,999	< 10	17	1.5-9	Yes
C18	5	100	440	> 99,999	< 10	17	2-7.5	Yes
C8	5	100	440	> 99,999	< 10	10	2-7.5	Yes

### β-Blockers at High pH\*



### Water-Soluble Vitamins\*



\*Luna is a registered trademark of Phenomenex. Dikma Technologies Inc. is not affiliated with the above company.

\*Symmetry is a registered trademark of Waters Corporation. Dikma Technologies Inc. is not affiliated with the above company.

\*HC is a trademark of Agilent Technologies. Dikma Technologies Inc. is not affiliated with the above company.

## Diamonsil® Ordering Information

3 µm Microbore Columns (2.1 mm ID)							Guard Cartridges, 2/pk	
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	10 x 2.1		
Diamonsil® C18(2)	99631	99611	99612	99613	99615	6311		
Diamonsil® C8(2)	99681	99661	99662	99663	99665	6312		
3 µm Analytical Columns (3.0 mm ID)								
Phases	30 x 3.0	50 x 3.0	100 x 3.0	150 x 3.0	250 x 3.0	10 x 2.1		
Diamonsil® C18(2)	99632	99621	99622	99623	99625	6311		
Diamonsil® C8(2)	99682	99671	99672	99673	99675	6312		
3 µm Analytical Columns (4.6 mm ID)								
Phases	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	200 x 4.6	250 x 4.6	10 x 4.0	
Diamonsil® C18(2)	99633	99616	99617	99618	99619	99620	6331	
Diamonsil® C8(2)	99683	99666	99667	99668	99669	99670	6332	
5 µm Microbore Columns (2.1 mm ID)								
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	10 x 2.1		
Diamonsil® C18(2)	99634	99604	99605	99606	99608	6313		
Diamonsil® C8(2)	99684	99654	99655	99656	99658	6314		
5 µm Analytical Columns (3.0 mm ID)								
Phases	30 x 3.0	50 x 3.0	100 x 3.0	150 x 3.0	250 x 3.0	10 x 2.1		
Diamonsil® C18(2)	99635	99626	99627	99628	99630	6313		
Diamonsil® C8(2)	99685	99676	99677	99678	99680	6314		
5 µm Analytical Columns (4.6 mm ID)								
Phases	30 x 4.6	50 x 4.6	100 x 4.6	150 x 4.6	200 x 4.6	250 x 4.6	10 x 4.0	
Diamonsil® C18(2)	99636	99609	99610	99601	99602	99603	6333	
Diamonsil® C8(2)	99686	99659	99660	99650	99652	99651	6334	
Diamonsil® C18	-	-	-	99901	99902	99903	6201	
Diamonsil® C8	-	-	-	99801	-	99803	6202	

EasyGuard™ Guard Holder: Cat.# 6220

Amino Acid Analysis (AAA) Column		
Phases	Particle Size (µm)	250 x 4.6
Diamonsil® AAA	5	99751

5 µm and 10 µm Semi-preparative Columns						Guard Cartridges, 2/pk	
Phases	Particle Size (µm)	250 x 4.6	250 x 10.0	150 x 21.2	250 x 21.2	10 x 10.0	10 x 21.2
Diamonsil® C18(2)	5	99603	99644	99770	99654	6335	6336
Diamonsil® C8(2)	5	99651	99694	99771	99695	6339	6340
Diamonsil® Diol	5	99753	99754	99772	99755	6343	6344
Diamonsil® Silica	5	-	99724	99773	99725	6347	6348
Diamonsil® C18(2)	10	99641	99642	99774	99643	6337	6338
Diamonsil® C8(2)	10	99691	99692	99775	99693	6341	6342
Diamonsil® Diol	10	99761	99762	99776	99763	6345	6346
Diamonsil® Silica	10	99721	99722	99777	99723	6349	6350

10 mm Guard Holder: Cat. #6221; 21.2 mm Guard Holder: Cat. # 6222

# Bio-Bond™ Protein and Peptide Separation Columns



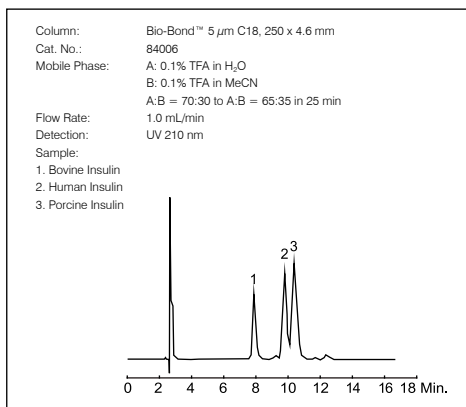
## Features of Bio-Bond™ Columns

- Designed to analyze and purify proteins, peptides, and biomolecules
- Available with C18, C8 and C4 bonded phases
- Direct scale-up to preparative material
- Outstanding reproducibility, efficiency, and column lifetime

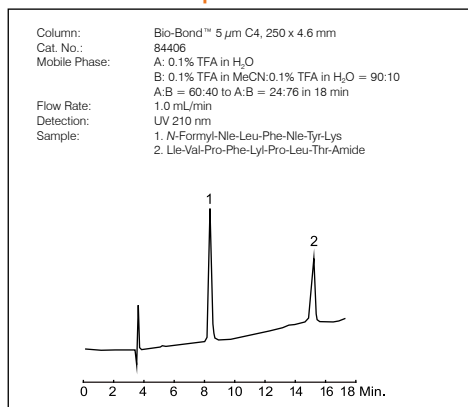
## Bio-Bond™ Material Characteristics

Bonded phase	Particle size (µm)	Pore size (Å)	Surface area (m <sup>2</sup> /g)	Purity (%)	Phase density (µmol/m <sup>2</sup> )	Carbon loading (%)	pH range	Endcapping
C18	3, 5, 10	300	100	> 99.999	3.7	8	2-8	Yes
C8	3, 5, 10	300	100	> 99.999	4.5	5	2-8	Yes
C4	3, 5, 10	300	100	> 99.999	4.4	3	2-8	Yes

### Insulin Genetic Variant



### Chemotactic Peptide



## Bio-Bond™ Ordering Information

3 µm Analytical Columns						Guard Cartridges, 2/pk	
Phases	50 x 2.1	150 x 2.1	50 x 4.6	150 x 4.6	250 x 4.6	For 2.1 ID Column	For 4.6 ID Column
Bio-Bond™ C18	84004	84013	84016	84018	84020	6901	6951
Bio-Bond™ C8	84104	84113	84116	84118	84120	6902	6952
Bio-Bond™ C4	84404	84413	84416	84418	84420	6905	6955
5 µm Analytical Columns						EasyGuard™ Guard Holder: Cat.# 6220	
Phases	50 x 2.1	150 x 2.1	50 x 4.6	150 x 4.6	250 x 4.6	10 x 2.1	10 x 4.0
Bio-Bond™ C18	84003	84002	84010	84001	84006	6903	6953
Bio-Bond™ C8	84103	84102	84110	84101	84106	6904	6954
Bio-Bond™ C4	84403	84402	84410	84401	84406	6906	6956
5 µm & 10 µm Semi-preparative Columns						10 mm Guard Holder: Cat.# 6221; 21.2 mm Guard Holder: Cat.# 6222	
Phases	Particle Size (µm)	250 x 4.6	250 x 10.0	150 x 21.2	250 x 21.2	10 x 10.0	10 x 21.2
Bio-Bond™ C18	5	84006	84038	84045	84039	6907	6908
Bio-Bond™ C8	5	84106	84138	84145	84139	6909	6910
Bio-Bond™ C4	5	84406	84438	84445	84439	6911	6912
Bio-Bond™ C18	10	84035	84036	84046	84037	6913	6914
Bio-Bond™ C8	10	84135	84136	84146	84137	6915	6916
Bio-Bond™ C4	10	84435	84436	84446	84437	6917	6918



### About Dikma

Dikma Technologies Inc., established in 1993, is a global technology leader committed to developing novel separation and purification solutions for life sciences and related industries. Our core technology portfolio includes products for liquid chromatography, gas chromatography, sample preparation, and bulk purification chromatographic media. We also provide related chromatography accessories.

### Quality

Dikma Technologies Inc. is an ISO 9001:2000 Standard Quality Assessed Company to ensure the quality and reliability of our products and services. We are dedicated to the highest standards of production, quality assurance and quality control.

### Value

Dikma Technologies Inc. is committed to bringing maximum value to its customers.



**Dikma**<sup>®</sup>  
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