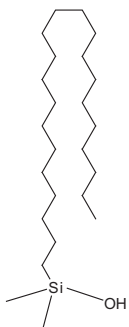
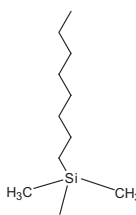
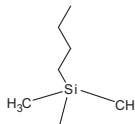
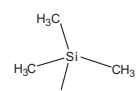
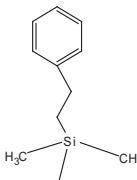
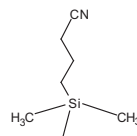
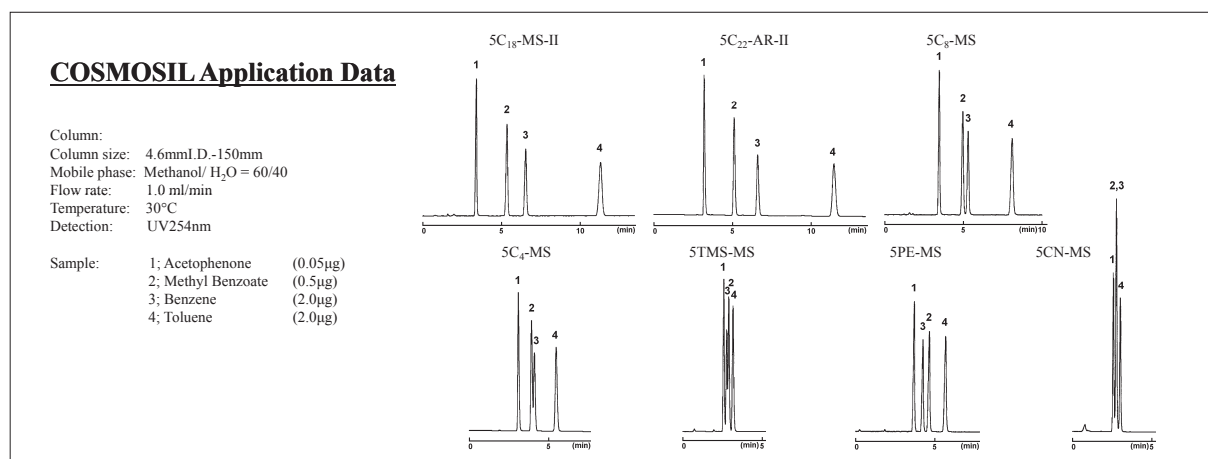


(3) Other Reversed Phase HPLC Columns

Specifications

Packing Material	C ₂₂ -AR-II	C ₈ -MS	C ₄ -MS	TMS-MS	PE-MS	CN-MS
Silica Gel	High Purity Porous Spherical Silica					
Average Particle Size	5 μm					
Average Pore Size	approx. 120 Å					
Specific Surface Area	approx. 300 m ² /g					
Bonded Phase Structure						
Bonded Phase	Dococyl Group	Octyl Group	Butyl Group	Trimethyl Group	Phenylethyl Group	Cyanopropyl Group
Bonding Type	Polymeric	Monomeric				
Main Interaction	Hydrophobic Interaction				Hydrophobic Interaction π-π Interaction	
End-capping Treatment	Near-perfect Treatment					
Carbon Load	approx. 19%	approx. 10%	approx. 7%	approx. 5%	approx. 10%	approx. 7%

Different of Separation Characteristic

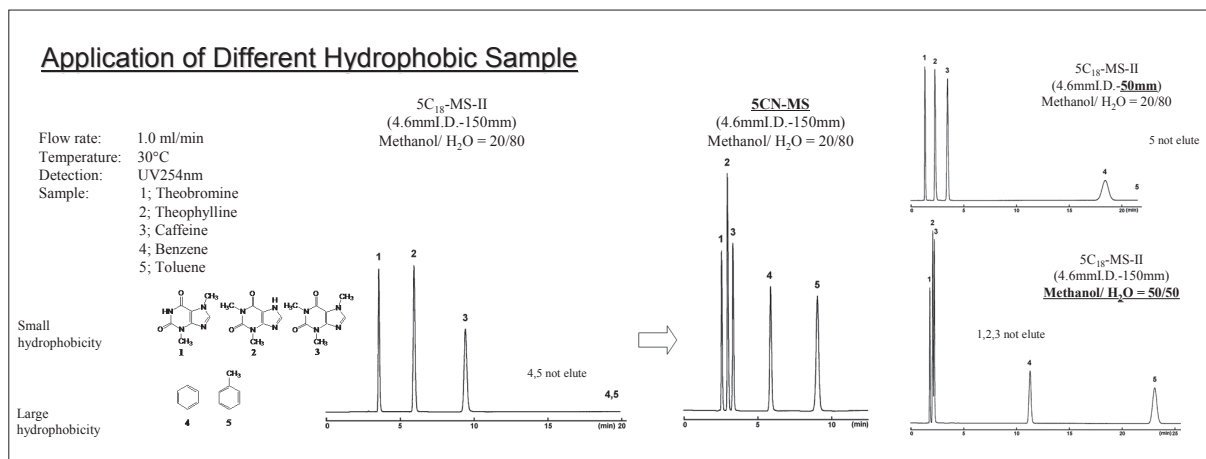


COSMOSIL CN-MS

- Cyanopropyl group bonded stationary phase
- Enables separation of different hydrophobic samples without using gradient
- For separation of natural compounds with different hydrophobicity

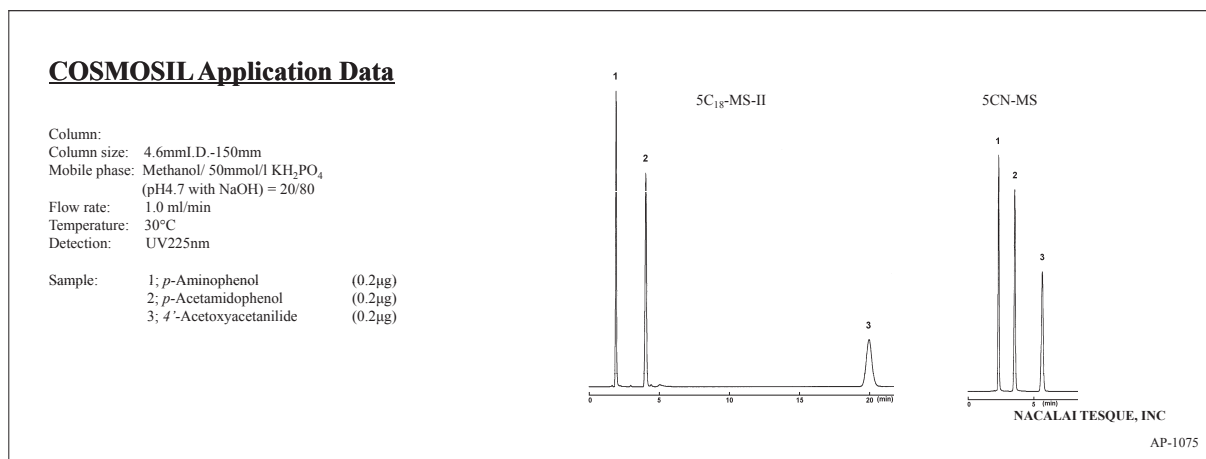
Rapid Analysis

Gradient elution is commonly used for the samples containing both polar and non-polar compounds. However, gradient elution may cause reproducibility problem depending on the gradient mixer and pump, and need an equilibration time for each analysis. COSMOSIL 5CN-MS offers rapid analysis and great reproducibility using isocratic elution mode.



Applications

- Acetoaminophen



Ordering Information

- Analytical / Preparative Column (Particle Size: 5 µm)

COSMOSIL 5CN-MS Packed Column

Column Size I.D. x Length (mm)	Product Number
4.6 x 50	38233-61
4.6 x 100	38234-51
4.6 x 150	38235-41
4.6 x 250	38236-31

COSMOSIL 5CN-MS Guard Column

Column Size I.D. x Length (mm)	Product Number
6.0 x 150	38237-21
6.0 x 250	38238-11
10 x 250	38239-01
20 x 250	38240-61

Column Size I.D. x Length (mm)	Product Number
4.6 x 10	38231-81
10 x 20	38232-71

COSMOSIL C₂₂-AR-II, C₈-MS, C₄-MS, TMS-MS, PE-MS

Ordering Information

- Analytical / Preparative Column (Particle Size: 5 µm)

COSMOSIL 5C₂₂-AR-II Packed Column

Column Size I.D. x Length (mm)	Product Number	Column Size I.D. x Length (mm)	Product Number
4.6 x 50	05848-41	6.0 x 150	05850-91
4.6 x 100	05849-31	6.0 x 250	05851-81
4.6 x 150	04598-51	10 x 250	04969-91
4.6 x 250	04599-41	20 x 250	05183-41

COSMOSIL 5C₂₂-AR-II Guard Column

Column Size I.D. x Length (mm)	Product Number
4.6 x 10	04881-21
10 x 20	05554-81

COSMOSIL 5C₈-MS Packed Column

Column Size I.D. x Length (mm)	Product Number	Column Size I.D. x Length (mm)	Product Number
4.6 x 50	38153-11	6.0 x 150	38157-71
4.6 x 100	38154-01	6.0 x 250	38158-61
4.6 x 150	38155-91	10 x 250	38159-51
4.6 x 250	38156-81	20 x 250	38160-11

COSMOSIL 5C₈-MS Guard Column

Column Size I.D. x Length (mm)	Product Number
4.6 x 10	38151-31
10 x 20	38152-21

COSMOSIL 5C₄-MS Packed Column

Column Size I.D. x Length (mm)	Product Number	Column Size I.D. x Length (mm)	Product Number
4.6 x 50	38163-81	6.0 x 150	38167-41
4.6 x 100	38164-71	6.0 x 250	38168-31
4.6 x 150	38165-61	10 x 250	38169-21
4.6 x 250	38166-51	20 x 250	38170-81

COSMOSIL 5C₄-MS Guard Column

Column Size I.D. x Length (mm)	Product Number
4.6 x 10	38161-01
10 x 20	38162-91

COSMOSIL 5TMS-MS Packed Column

Column Size I.D. x Length (mm)	Product Number	Column Size I.D. x Length (mm)	Product Number
4.6 x 50	38173-51	6.0 x 150	38177-11
4.6 x 100	38174-41	6.0 x 250	38178-01
4.6 x 150	38175-31	10 x 250	38179-91
4.6 x 250	38176-21	20 x 250	38180-51

COSMOSIL 5TMS-MS Guard Column

Column Size I.D. x Length (mm)	Product Number
4.6 x 10	38171-71
10 x 20	38172-61

COSMOSIL 5PE-MS Packed Column

Column Size I.D. x Length (mm)	Product Number	Column Size I.D. x Length (mm)	Product Number
4.6 x 50	38183-21	6.0 x 150	38187-81
4.6 x 100	38184-11	6.0 x 250	38188-71
4.6 x 150	38185-01	10 x 250	38189-61
4.6 x 250	38186-91	20 x 250	38190-21

COSMOSIL 5PE-MS Guard Column

Column Size I.D. x Length (mm)	Product Number
4.6 x 10	38181-41
10 x 20	38182-31

I. HPLC Columns

II. UHPLC Columns

III. Preparative Packing Materials

IV. Related Products

V. Applications

VI. Technical Notes

VII. Index