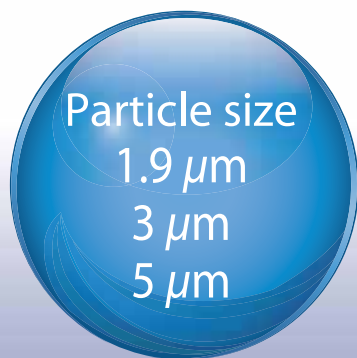




YMC
LF-0023E

Triart C18 ExRS

UHPLC & HPLC Columns



Triart C18 ExRS

UHPLC & HPLC Columns

Alternative selectivity to standard C18 columns

Features

- C18 phase with high density bonding on inorganic/organic hybrid silica gel
- Excellent selectivity of isomers and structural analogs
- Superior chemical durability
- Identical selectivity over particle sizes

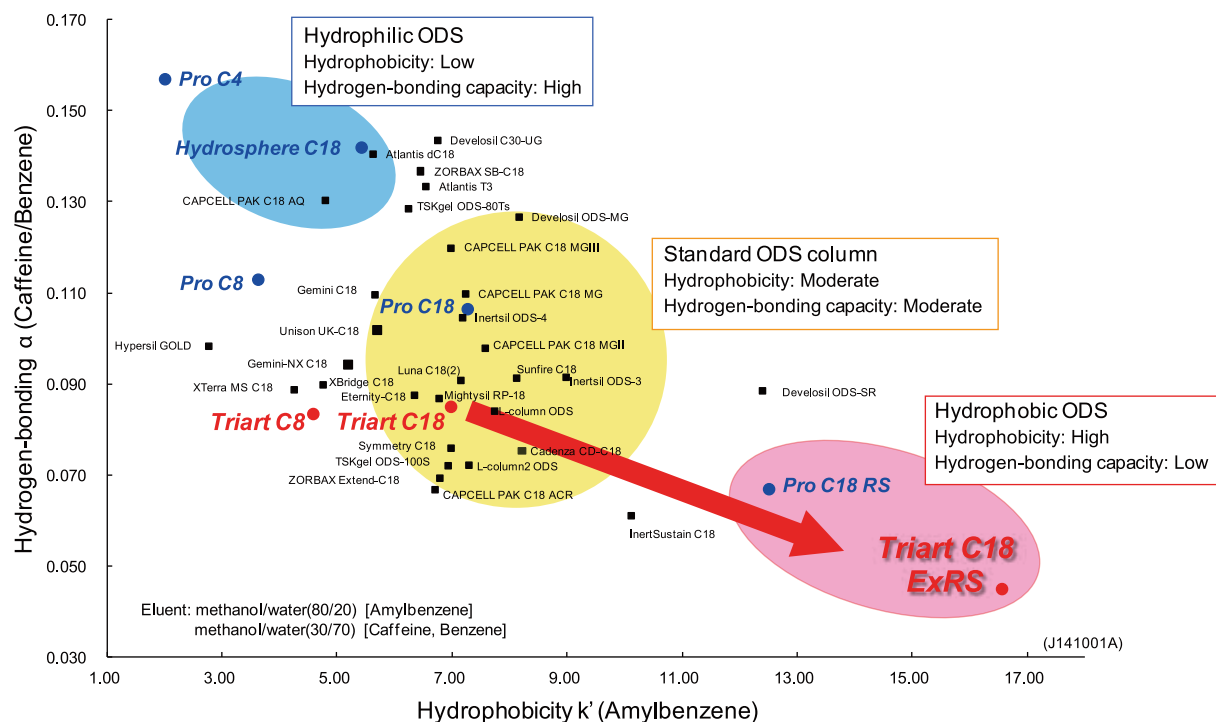
Specifications

Base	: Organic/inorganic hybrid silica
Particle size	: 1.9, 3, 5 μm
Pore size	: 8 nm
Specific surface area	: 430 m^2/g
Bonding	: Trifunctional
Carbon content*	: 25%
Endcapping	: Yes
pH range	: 1-12

*Containing 8% carbon for hybrid silica base material

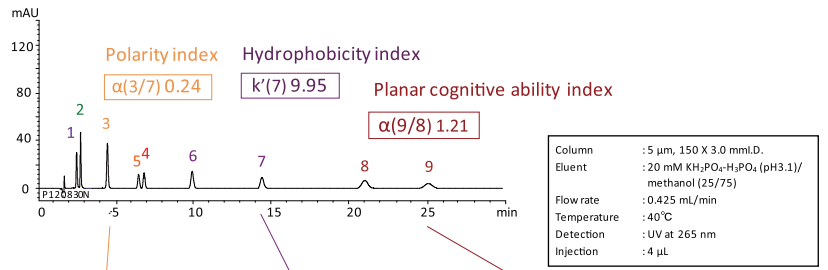
Alternative selectivity to standard C18 columns

[Comparison of hydrophobicity and hydrogen-bonding capacity of various columns]

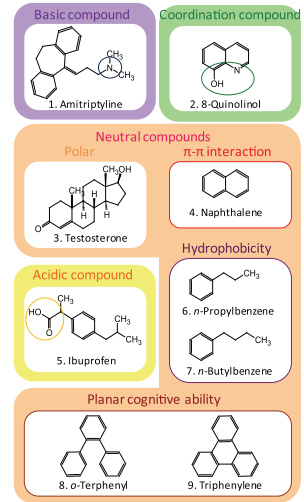
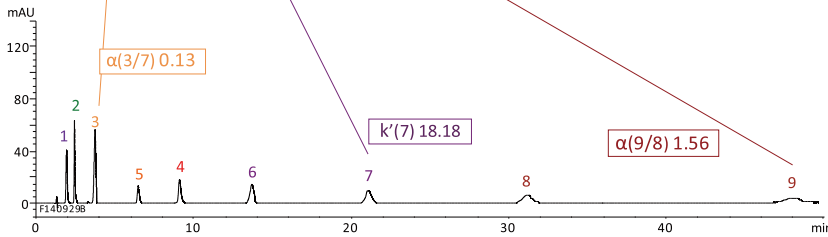


Comparison of fundamental separation selectivity

Triart C18



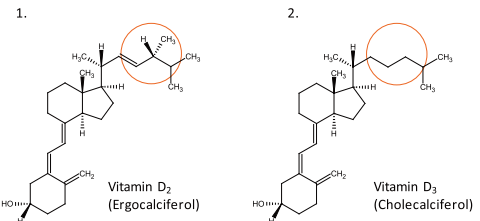
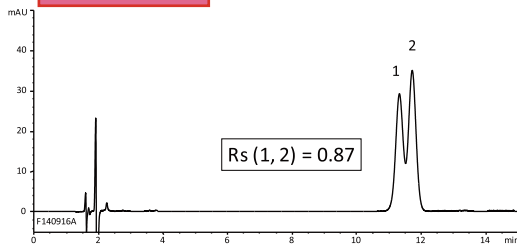
Triart C18 ExRS



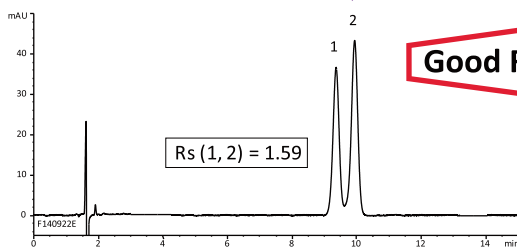
A mixture that consists of compounds with various characteristics is analyzed with Triart C18 and Triart C18 ExRS. Triart C18 ExRS has lower polarity and higher hydrophobicity than the standard Triart C18 column. It also shows improved planar cognitive ability.

Ideal for separations of structural analogs

Triart C18



Triart C18 ExRS

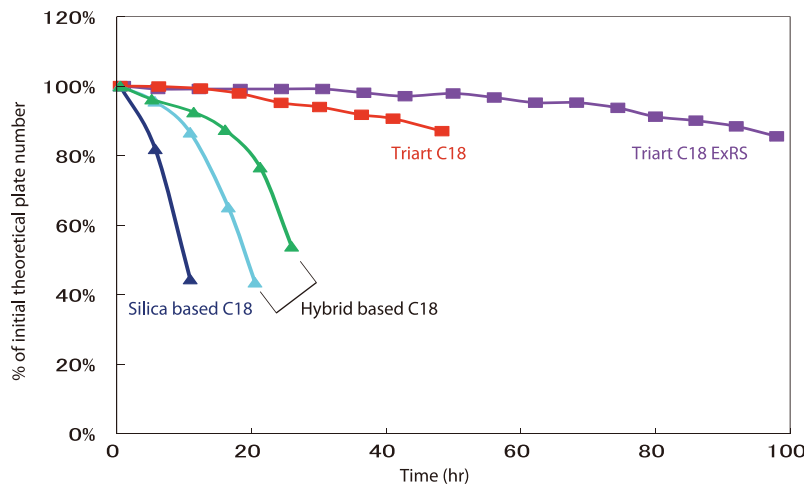


Good Resolution

Column : 5 μm, 150 X 3.0 mm I.D.
Eluent : THF/acetonitrile (10/90)
Flow rate : 0.425 mL/min
Temperature : 30°C
Detection : UV at 265 nm
Injection : 4.25 μL (10 μg/mL)

Triart ExRS is effective for separating structural analogs. This feature is especially useful for separating pharmaceuticals with structurally similar impurities.

Improved durability



Column : 5 μm, 150 X 4.6 mm I.D.
Eluent : 50 mM K₂HPO₄-K₃PO₄ (pH 11.5)/methanol (90/10)
Flow rate : 1.0 mL/min
Temperature : 40°C
Sample : benzyl alcohol

High density bonding of C18 greatly contributes to improved chemical durability.

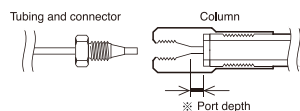
Ordering information

Particle size (μm)	Pore size (nm)	Column size inner diameter X length (mm)	Product number
1.9	8	2.0 X 20	TAR08SP9-0202PT
		2.0 X 30	TAR08SP9-0302PT
		2.0 X 50	TAR08SP9-0502PT
		2.0 X 75	TAR08SP9-L502PT
		2.0 X 100	TAR08SP9-1002PT
		2.0 X 150	TAR08SP9-1502PT
		2.1 X 20	TAR08SP9-02Q1PT
		2.1 X 30	TAR08SP9-03Q1PT
		2.1 X 50	TAR08SP9-05Q1PT
		2.1 X 75	TAR08SP9-L5Q1PT
		2.1 X 100	TAR08SP9-10Q1PT
		2.1 X 150	TAR08SP9-15Q1PT
		3.0 X 50	TAR08SP9-0503PT
		3.0 X 75	TAR08SP9-L503PT
		3.0 X 100	TAR08SP9-1003PT
		3.0 X 150	TAR08SP9-1503PT

Particle size (μm)	Pore size (nm)	Column size inner diameter X length (mm)	Product number
3	8	2.1 X 20	TAR08S03-02Q1PTH
		2.1 X 33	TAR08S03-H3Q1PTH
		2.1 X 50	TAR08S03-05Q1PTH
		2.1 X 75	TAR08S03-L5Q1PTH
		2.1 X 100	TAR08S03-10Q1PTH
		2.1 X 150	TAR08S03-15Q1PTH
		3.0 X 50	TAR08S03-0503PTH
		3.0 X 75	TAR08S03-L503PTH
		3.0 X 100	TAR08S03-1003PTH
		3.0 X 150	TAR08S03-1503PTH
		4.6 X 33	TAR08S03-H346PTH
		4.6 X 50	TAR08S03-0546PTH
		4.6 X 75	TAR08S03-L546PTH
		4.6 X 100	TAR08S03-1046PTH
		4.6 X 150	TAR08S03-1546PTH
		4.6 X 250	TAR08S03-2546PTH
5	8	2.1 X 20	TAR08S05-02Q1PTH
		2.1 X 33	TAR08S05-H3Q1PTH
		2.1 X 50	TAR08S05-05Q1PTH
		2.1 X 75	TAR08S05-L5Q1PTH
		2.1 X 100	TAR08S05-10Q1PTH
		2.1 X 150	TAR08S05-15Q1PTH
		3.0 X 50	TAR08S05-0503PTH
		3.0 X 75	TAR08S05-L503PTH
		3.0 X 100	TAR08S05-1003PTH
		3.0 X 150	TAR08S05-1503PTH
		4.0 X 150	TAR08S05-1504PTH
		4.0 X 250	TAR08S05-2504PTH
		4.6 X 33	TAR08S05-H346PTH
		4.6 X 50	TAR08S05-0546PTH
		4.6 X 75	TAR08S05-L546PTH
		4.6 X 100	TAR08S05-1046PTH
4.6 X 150	TAR08S05-1546PTH		
4.6 X 250	TAR08S05-2546PTH		

※Please inquire concerning configurations not listed above.

Connector and column fittings.



The end of the product number	Port depth	Style of endfitting
PT / PTH	2 mm	Parker style

Worldwide Availability

YMC Co., Ltd.
www.ymc.co.jp

YMC Europe GmbH
www.ymc-europe.com

YMC India Pvt.Ltd.
www.ymcindia.com

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