

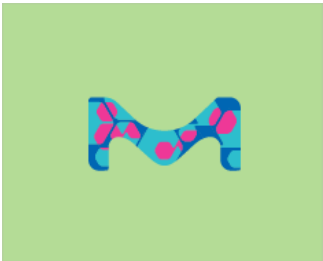


504955-30 Supelco

Discovery® C18 HPLC Column

5 µm particle size, L × I.D. 15 cm × 3 mm

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FDS

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Conditionnement - SKUDisponibilité

Prix (EUR) Quantité

504955-30

Seulement 5 en stock (d'autres en cours d'arrivage) - A PARTIR DE

669.00

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Commandes Bulk?

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Propriétés

Related Categories	Analytical column, 5 µm, 3.0 mm, Analytical/Chromatography, C18 HPLC Columns, Discovery C18 HPLC columns for peptides, intermediate size molecules, HPLC, HPLC Columns, by Phase Less...
feature	endcapped
extent of labeling	12% Carbon loading
parameter	≤70 °C temp. range
application(s)	HPLC: suitable
L × I.D.	15 cm × 3 mm
surface coverage	3 µmol/m ²
impurities	<10 ppm metals
matrix	silica gel, high purity, spherical particle platform
matrix active group	C18 (octadecyl) phase
particle size	5 µm
pore size	180 Å
surface area	200 m ² /g
operating pH range	2 - 8
suitability	suitable for L1 per USP
mode of chromatography	reversed phase

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Description

Features and Benefits

- Excellent reproducibility
- Exceptional peak shape for basic and acidic analytes
- Stable, low-bleed LC-MS separations
- Separation of peptides and small proteins
- Lower hydrophobicity than many comparable C18 columns, providing faster analysis

General description

Use Discovery® C18 for any method that specifies a C18. The exceptional peak shape, reproducibility, and stability make it the column of choice for all C18 methods from demanding to routine.

Recommended products

Discover LiChropur reagents ideal for **HPLC** or **LC-MS** analysis

Legal Information

Discovery is a registered trademark of Sigma-Aldrich Co. LLC

Informations Sécurité

Aucune information relative à la sécurité de ce produit est actuellement disponible.

Documents

Certificat d'Analyse

0001180201

Devis/ Commande de produits Bulk FDS

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T Nagano et. al

Journal of dental research, 88(9), undefined (2009-9-22)

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A new HPLC micromethod to measure total plasma homocysteine in newborn.

S Bartesaghi et. al

Journal of pharmaceutical and biomedical analysis, 24(5-6), undefined (2001-3-15)

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LC-ESI-MS determination and pharmacokinetics of adrafinil in rats.

R Nageswara Rao et. al

Journal of chromatography, B, Analytical technologies in the biomedical and life sciences, 873(1), undefined (2008-8-30)

A highly sensitive and specific liquid chromatography/tandem mass spectrometric (LC-MS/MS) method for investigating the pharmacokinetics of adrafinil in rats was developed. Rat serum pretreated by solid-phase extraction (SPE) was analyzed by LC-MS/MS...[Read More](#)

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LC-MS of novel narcoepileptics and related substances.

Ramisetti Nageswara Rao et. al

Journal of separation science, 32(9), undefined (2009-4-29)

Modafinil, adrafinil and their related substances were synthesized and analyzed by RP-LC with ESI-MS/MS. The ionization mode, polarity, cone voltage, and chromatographic conditions were evaluated. The optimum LC-MS conditions to obtain fragment ions ...[Read More](#)

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Abbas Khan et. al
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A novel isocratic reversed-phase high performance liquid-chromatography/ultraviolet detection method for simultaneous determination of cefdinir and cefixime in human plasma was developed and validated after optimization of various chromatographic con...[Read More](#)

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Liquid chromatography-mass spectrometry method for the quantification of tamoxifen and its metabolite 4-hydroxytamoxifen in rat plasma: application to interaction study with biochanin A (an isoflavone).
Sheelendra Pratap Singh et. al
Journal of chromatography. B, Analytical technologies in the biomedical and life sciences, 879(27), undefined (2011-9-6)
Tamoxifen is the agent of choice for the treatment of estrogen receptor-positive breast cancer. Tamoxifen is a substrate of P-glycoprotein (P-gp) and microsomal cytochrome P450 (CYP) 3A, and biochanin A (BCA) is an inhibitor of P-gp and CYP3A. Hence,...[Read More](#)

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Xiaofang Hou et. al
Journal of separation science, 36(4), undefined (2013-2-13)
Most of the anti-breast cancer drugs are often limited owing to drug resistance and serious adverse reactions. Therefore, development of more targeted and low toxic drugs from traditional Chinese medicines for breast cancer are needed. At the same ti...[Read More](#)

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Direct and indirect high-performance liquid chromatographic enantioseparation of beta-amino acids.
Antal Péter et. al
Journal of chromatography. A, 1031(1-2), undefined (2004-4-3)
Direct and indirect reversed-phase (RP) high-performance liquid chromatographic methods were developed for the separation of enantiomers of 18 unnatural beta-amino acids, including several beta-3-homo amino acids. The direct separations of the underi...[Read More](#)

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Simple HPLC-UV method for the quantification of metformin in human plasma with one step protein precipitation.
Himal Paudel Chhetri et. al
Saudi pharmaceutical journal : SPJ : the official publication of the Saudi Pharmaceutical Society, 22(5), undefined (2014-12-5)
This study presents the optimization of a simple HPLC-UV method for the determination of metformin in human plasma. Ion pair separation followed by UV detection was performed on deproteinized human plasma samples. The separation was carried out on a ...[Read More](#)

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Experimental design for the optimization and robustness testing of a liquid chromatography tandem mass spectrometry method for the trace analysis of the potentially genotoxic 1,3-diisopropylurea.
György Székely et. al
Drug testing and analysis, 6(9), undefined (2013-11-19)
This paper discusses a design of experiments (DoE) assisted optimization and robustness testing of a liquid chromatography-tandem mass spectrometry (LC-MS/MS) method development for the trace analysis of the potentially genotoxic 1,3-diisopropylurea ...[Read More](#)

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Identification of genes expressed during Toxoplasma gondii infection by in vivo-induced antigen technology (IVIAT) with positive porcine sera.
Qing Tao et. al
The Journal of parasitology, 100(4), undefined (2014-3-22)
Infection of pigs with Toxoplasma gondii is a common source of human toxoplasmosis and causes serious economic losses. In vivo-induced antigen technology (IVIAT) is an effective immunological technique to identify the antigens that a pathogen specifi...[Read More](#)

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Determination of crizotinib in human and mouse plasma by liquid chromatography electrospray ionization-tandem mass spectrometry (LC-ESI-MS/MS).
Michael S Roberts et. al
Journal of chromatography. B, Analytical technologies in the biomedical and life sciences, 960, undefined (2014-5-9)
An LC-ESI-MS/MS method using high-throughput solid-phase extraction (SPE) was developed and validated to measure crizotinib in human and mouse plasma to support ongoing clinical and preclinical pharmacokinetic studies. Chromatographic separation of m...[Read More](#)

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Rapid quantitative analysis of ormeloxifene and its active metabolite, 7-desmethyl ormeloxifene, in rat plasma using liquid chromatography-tandem mass spectrometry.
Abhisheak Sharma et. al
Journal of chromatography. B, Analytical technologies in the biomedical and life sciences, 997, undefined (2015-6-17)
Ormeloxifene (ORM) is a non-steroidal, selective estrogen receptor modulator used as a once a week oral contraceptive and is intended for long-term clinical use by females. Therefore, a simple, sensitive and rapid LC-MS/MS method was developed and va...[Read More](#)

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On-line 2D-LC-ESI/MS/MS determination of rifaximin in rat serum.
R Nageswara Rao et. al
Biomedical chromatography : BMC, 23(11), undefined (2009-5-16)
A highly sensitive and selective on-line two-dimensional reversed-phase liquid chromatography/electrospray ionization-tandem mass spectrometry (2D-LC-ESI/MS/MS) method was developed and validated to determine rifaximin in rat serum by direct injectio...[Read More](#)

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Characterization of overall ceramide species in human stratum corneum.
Yoshinori Masukawa et. al
Journal of lipid research, 49(7), undefined (2008-3-25)
Ceramides (CERs) in human stratum corneum (SC) play physicochemical roles in determining barrier and water-holding functions of the skin, and specific species might be closely related to the regulation of keratinization, together with other CER-relat...[Read More](#)
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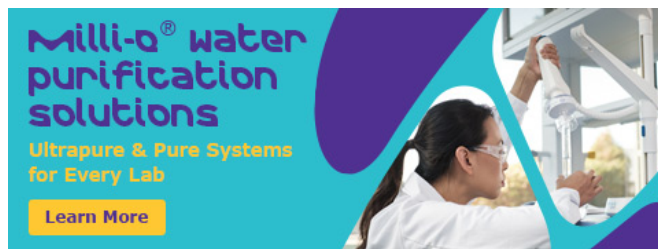




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