



Chromatography Web Tools – Overcome Any Lab Challenge with Our Team

The Phenomenex website offers more than simply an online catalog of part numbers. Our technical experts have created a wealth of chromatography web tools designed to help you overcome any obstacle or challenge you may face in the lab on a daily basis.

We're Here to Help!

We're here to help! Everything you need from troubleshooting, to method development assistance, to quality documents and MORE!

Can't find what you need? [Contact us](#).



Request-a-Method™ »

Contact our Method Development Team for a tailored solution



FAQ Portal »

Find answers to popular technical questions here



Applications »

We have thousands of them! Search by analyte name or structure



Quality and Safety Documents »

Download your (CQA), (C of A) and MSDS



Free Guides and Posters »

Download free guides and posters for troubleshooting, method development and more.



Product Care and Use »

Love your products and treat them right using these handy guides



Visit Our Blog »

Explore a different side of science with our [Science Unfiltered blog](#).



Training & On-Site Support »

We'll come to you! Classroom training or in-lab demonstrations – you pick the topic



The Technical Library »

Check out our helpful collection of technical notes, posters, webinars, how-to videos, guides and more



Troubleshooting »

Did something go wrong? We'll fix it!



Interactive Web Tools »

Simple, interactive tools to instantly find the right products and solutions

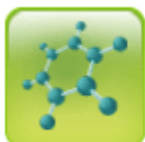


Product Videos »

See the technology in action. Watch our product videos and demonstrations.

Continue reading to start exploring a few of the areas that we offer direct online support in:

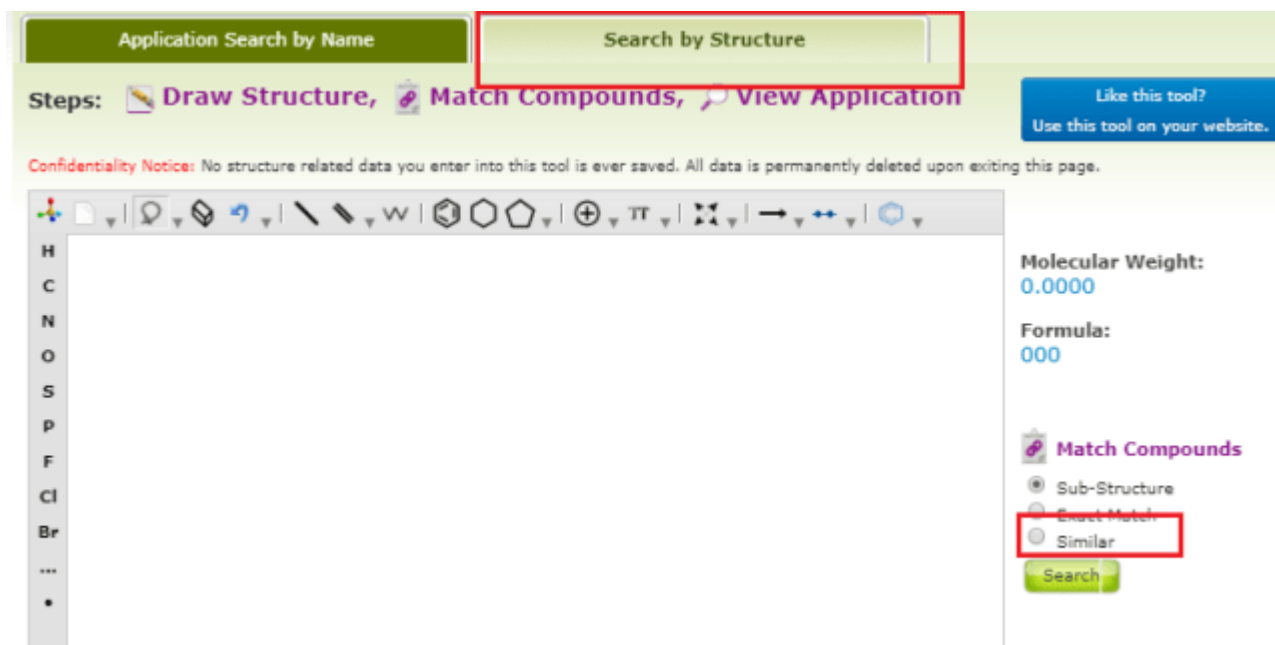
Application Database



Applications »

We have thousands of them! Search by analyte name or structure

Search by compound name or build the structure of it through our application database. By using this structure search you can also look for related compounds to see if Phenomenex has run any similar applications to your compound of interest.



The screenshot shows the Phenomenex Application Database search interface. At the top, there are two tabs: "Application Search by Name" and "Search by Structure", with the latter highlighted by a red box. Below the tabs, the steps are listed: "Draw Structure", "Match Compounds", and "View Application". A blue button on the right says "Like this tool? Use this tool on your website." A red box highlights the "Search by Structure" tab. Below the tabs, there is a "Confidentiality Notice" stating: "No structure related data you enter into this tool is ever saved. All data is permanently deleted upon exiting this page." The main area contains a chemical drawing toolbar with various icons for drawing and editing. On the left side of the drawing area, a vertical list of chemical symbols is shown: H, C, N, O, S, P, F, Cl, Br, ..., •. On the right side, there are fields for "Molecular Weight: 0.0000" and "Formula: 000". Below these fields, there is a "Match Compounds" section with three radio button options: "Sub-Structure", "Exact Match", and "Similar". The "Similar" option is highlighted by a red box. A green "Search" button is located at the bottom of the "Match Compounds" section.

Gas Chromatography Column Finder

Need help finding the most appropriate GC column for your application?



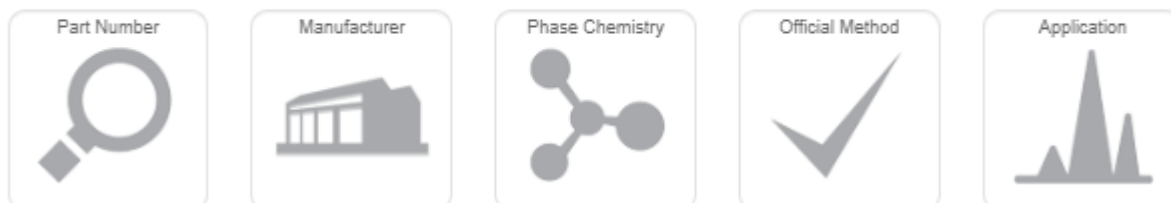
GC Column Finder Web Tool»

GC column selection, simplified! Choose from 5 easy ways to quickly find a Zebron column for your method in minutes

You can search through our GC Column Finder chromatography web tool using an existing part number from *ANY* manufacturer, phase chemistry, official method, or application need. The tool will then provide appropriate recommendations that can be available to you in a few short clicks.

Click the image below to try it now:

Finally — GC column selection, simplified! Choose a criteria below to quickly find your ideal Zebron column based on alternative manufacturer, phase chemistry, official method, or application.



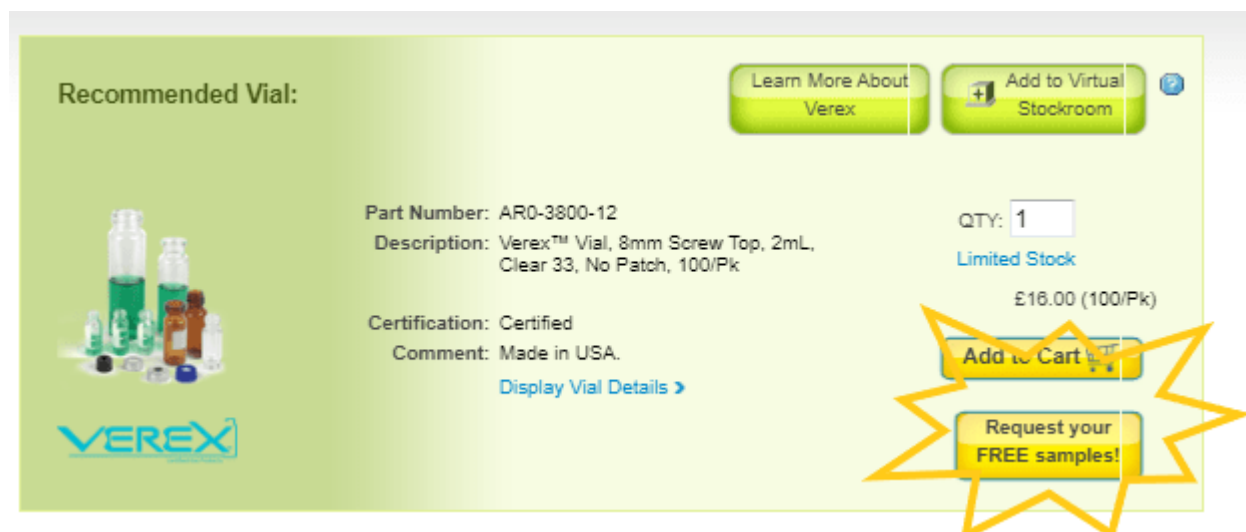
Vial Finder Chromatography Web Tools

Are you aware we also supply most of the consumables needed to run your analytical methods? Using our Vial Finder tool we can quickly make the best recommendation for a vial for your application. And using the quick click link at the end of the process you can have a sample of the vial you select sent directly to your lab.



Vial Finder»

Easily find the right vial or vial kit for your sample collection needs. Whether you are looking for an amber vial, crimp-top vial, autosampler vial, or headspace vial. You will be sure to find it with the Vial Finder tool.



Recommended Vial:

Learn More About Verex Add to Virtual Stockroom

Part Number: AR0-3800-12
Description: Verex™ Vial, 8mm Screw Top, 2mL, Clear 33, No Patch, 100/Pk
Certification: Certified
Comment: Made in USA.
[Display Vial Details >](#)

QTY: 1
Limited Stock
£16.00 (100/Pk)

Add to Cart Request your FREE samples!

Method Development Chromatography Web Tools

For those involved in method development Phenomenex offers tools and calculators to support your move to core-shell technologies, development programs to get you started with SPE methods, and even calculators to help when scaling methods from analytical to prep scale.

Solid Phase Extraction Method Development Tool



SPE Method Development Tool»

Develop SPE methods for sample cleanup and concentration in under a minute.

SPE Method Development Tool


Start here to get your FREE Sample

Welcome! This SPE Method Development Tool will recommend an extraction method for you in under 1 minute!

To start, enter the name of the analyte you'd like to extract or select "proprietary" to develop a method based on the chemical characteristics of your analyte.

Analyte Name:

Proprietary Analyte



- 1 Analyte Search
- 2 Physical Properties & Sample Matrix
- 3 Method Recommendations

Our SPE method development tool allows you to input structure or compound name, matrix type and sample volume and provides a starting method with cartridge recommendation to get your extraction going. See image below for example:

Analyte Name:
 Proprietary Analyte

Sample Matrix:
Basic pKa:
Acidic pKa:
Volume:
Log P:
[add more](#) [add more](#)

Sample Matrix:
Basic pKa:
Acidic pKa:
Volume:
Log P:
[add more](#) [add more](#)

Part Number: 8B-S100-TAK
Description: Strata™-X 33 µm Polymeric
Reversed Phase, 30 mg / 1 mL,
Tubes , 100/Pk

Recommended SPE Method

Pre-Treatment: Dilute 1:3 with water. Centrifuge at 2000g for 10 minutes. Discard pellet.

Condition: 0.5 mL(s) of Methanol

Equilibrate: 0.5 mL(s) of Water

Load: Sample

Wash: 0.5 mL(s) of (5:95) Methanol:Water

Dry: 10 mins under full vacuum

Elute: 0.5 mL(s) of Methanol



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Preparative Calculator Chromatography Web Tools

Preparative chromatographers look no further than our scale-up calculator when calculating new loading figures or flow rates for your large-scale applications.



Prep Calculator Web Tool»

Quickly and easily scale-up your analytical column to larger preparative column (diameters up to 50mm ID) or dynamic axial compression (DAC) (diameters up to 1000mm) dimensions.

Preparative HPLC Scale Up Calculator

Column	Analytical Column	Prep Column
Particle size (µm)	5	5
Length (mm)	150	150
Diameter (mm)	4.6	10
Column Volume (empty) (mL)	2.5	11.8
Equilibration time (min)	12.5	12.6
Weight of packing mat (g)*	1.5	7.1
	Scaling Factor	4.7
Flow rate (mL/min)	2	9.4
Sample Amt (mg)	5	23.5
Injection volume (µL)	10	47

Core-shell Calculators

If you are interested in higher efficiency our Core-shell 2.6µm calculator offers guidance on

finding the most appropriate column length and conditions for your new higher efficiency separation.



Core-shell 2.6 μ m Calculator»

Preview the advantages you can expect to gain by using core-shell technology columns. Receive estimated increases in efficiency and resolution, adjust flow rate and backpressure to desired conditions, and see how much cost savings you can bring to your lab.

Fill out details on your current application and your goals and the tool will do the rest!

Current System

System Manufacturer
System Model

--Select Manufacturer--
Select Manufacturer Above

System Data

Max allowable flow rate (mL/min)
Max allowable pressure (Bar)

Current Column From list Manual input

Column supplier --Select Supplier--
Column brand --Select Brand--
Column phase --Select Phase--
Column length (mm) 0
Column ID (mm) 0
Particle size (µm) 0



Current Method Information

Efficiency (plates/column)
Resolution of critical pair
Observed backpressure (Bar or PSI)
Total run time (minutes)

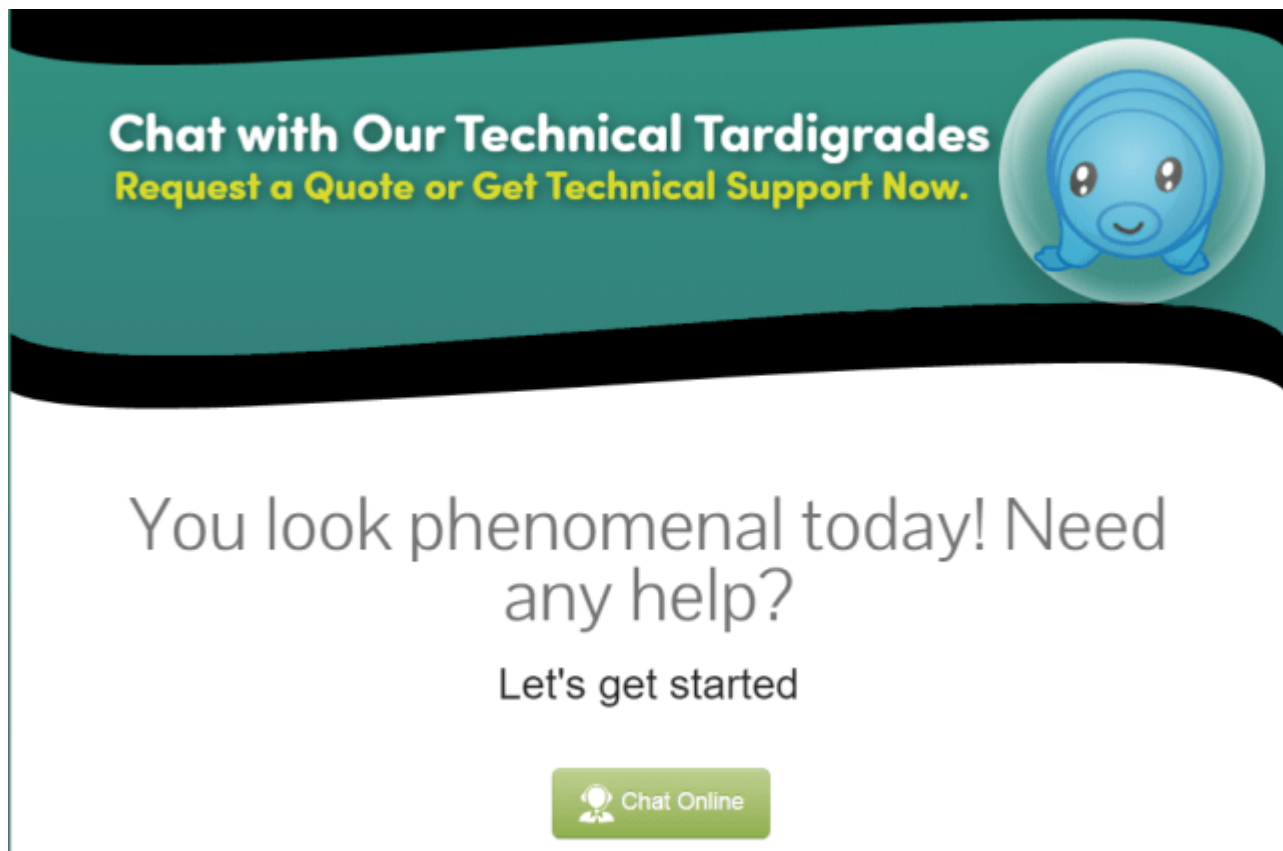
0
0
0
0
Maximum efficiency: 100000
Maximum resolution: 50
Example: 23.05

Mode of Operation isocratic gradient

Flow rate (mL/min) Maximum flow rate:
Injection volume (µL) Maximum injection volume:
100


Have Questions? Get Your Answers Right Away with Live Chat!

Live Chat is one of Phenomenex's most utilized chromatography web tools thanks to its easy to use format and the amazing assistance of our Technical Experts. If you find yourself with a technical question you need answered now, have a chat with our fantastic online technical team by clicking the "CHAT NOW" button or visiting the chat page at www.phenomenex.com/chat.



Chat with Our Technical Tardigrades
Request a Quote or Get Technical Support Now.

You look phenomenal today! Need
any help?
Let's get started



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