CAS SCIFINDER DISCOVERY PLATFORM™

BETWEEN QUESTION AND ANSWER, THERE IS DISCOVERY

Accelerate game-changing discoveries with best-in-class scientific information solutions.

CAS

A division of the
American Chemical Society

Experience the CAS SciFinder Discovery Platform

In today's highly competitive world, the pressure to innovate in search of scientific breakthroughs has never been greater. Researchers rely on access to comprehensive research solutions to quickly discover and interpret the information critical to making successful business-altering decisions.

Whether you are reviewing literature to inform your research, seeking direction and alternatives when developing experimental plans, or attempting to discern novelty, the CAS SciFinder Discovery Platform™ speeds the process of finding relevant, actionable insights.

"CAS SciFinder Discovery Platform is a game-changer for R&D, IP and regulatory departments cause it provides valuable information like clinical trials, patents, analytical methods and formulations, all in one solution."

Rosaana Martinez
Patent Searcher/Analyst, PROCAPS, S.A.S.
TechValidate, TVID: 565-DD1-175

"I'm able to get key information about a variety of topics quickly and easily. This saves time and improves ideation."

R&D Vice President/Director
Small Pharmaceuticals Company
TechValidate, TVID: B0B-2CD-AF8

"CAS is delivering more and more concise data. Very suitable to start new synthesis routes. Also searching for patents gives a clear overview of the possibilities. Easy to use and very intuitive."

Senior Scientist/Fellow
Small Pharmaceuticals Company
TechValidate. TVID: F09-138-08C

"I have used CAS for chemistry research for years and it is the premier search tool. Sometimes I have to explain to others that the quality of the search results one gets from something such as Google do not compare in terms of scientific and peer-reviewed quality."

R&D Manager/Team Leader
Medium Enterprise Chemicals Company
TechValidate, TVID: 565-DD1-175

The CAS SciFinder Discovery Platform is designed to support multiple stages and types of scientific research. It combines task-specific information solutions and tools, including CAS SciFinder[n], Retrosynthetic Planning, Data Visualization, CAS Formulus®, and CAS Analytical Methods™, making it the most complete source of scientific information in the world.
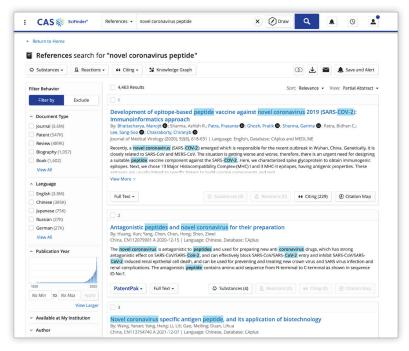
The CAS SciFinder Discovery Platform supports these foundational scientific needs of your research organization.

– Leverage the most advanced relevance engine in the industry to uncover key scientific information faster.

– Explore full-text patent information, drastically reducing the time needed to determine novelty.

– Access a single source for all substance-related information and plan experiments with confidence.

– Identify and optimize synthetic routes through a full retrosynthetic analysis of known and undisclosed substances.

– Understand trends, patterns, and outliers using data visualization to ensure informed decision-making.

– Find and compare suppliers for the source materials needed to conduct experiments.

– Uncover information about active ingredients and excipients that guide the design of new formulations.

– Find the best research protocols by searching and comparing hundreds of thousands of published scientific methods.

Quickly discover relevant and timely information

The advantage of CAS SciFinder^n is the unique blending of the industry's most science-aware relevance engine and expert human analysis of the world's published scientific literature. In today's increasingly competitive landscape, this combination of tools and information enables scientists to search smarter and make decisions that impact critical research with confidence.

Details from global scientific references are added to the CAS Content Collection™ daily, keeping you current on patent and journal literature across multiple scientific fields. The data and insights extracted by CAS scientific analysts and powerful filters in the solution help you make connections and uncover trends that accelerate your work.

With Precision Search, pinpoint your most relevant references quickly. Use advanced filters to focus your results even further. Set up Alerts to be notified when relevant new research is published.

"I mainly do structure searching; finding synthesis routes, safety and stability information. This information is spread over many patents and journals and it would take forever to search them all separately."
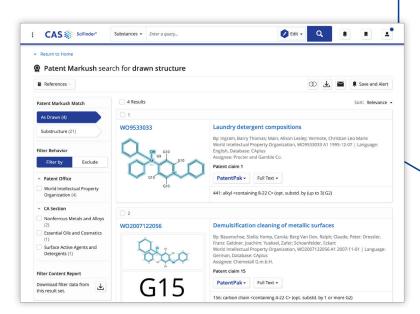
Kurt Hoffacker, Senior Director
Luminex, A DiaSorin Company
TechValidate, TVID: 38A-4E8-76B

Analyze the IP landscape

Get answers to a host of IP-related questions using CAS SciFinderⁿ, including:
- Where are the opportunities for innovation?
- Are there infringement risks?
- Who else is working in this space?

With industry leading tools and information, such as patent Markush searching and expertly annotated content, it becomes easier to successfully manage your research portfolio and bring your innovations to market.

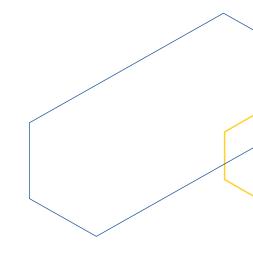> **"Comprehensive patent searching helps me to assess novelty and plan patent strategies."**
>
> Jan Eickhoff
> R&D Manager/Team Leader
> Lead Discovery Center
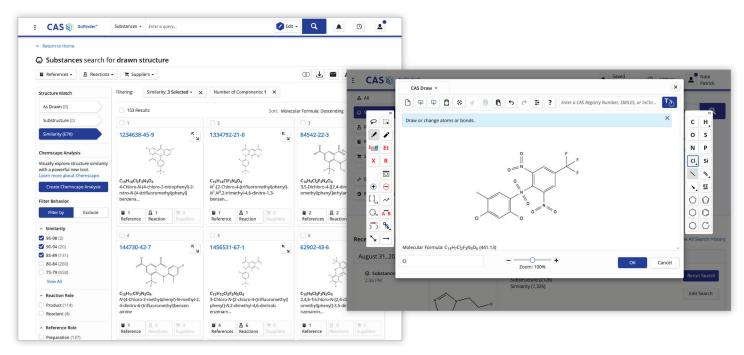> TechValidate, TVID: F9E-A43-404

Use a Patent Markush search to find structures in patent references and get instant access to patent documents complete with the hard-to-find scientific information within.

Plan your experiments with confidence

Current and accurate substance and reaction information provides key insights into your research activities. CAS SciFinderⁿ is your one true source for authoritatively identifying millions of organic and inorganic substances.

Within the solution, you will find chemical substances and their related chemical structures, chemical names, regulatory information and properties, including the CAS Registry Number®, along with reaction schemes, step-by-step experimental procedures, detailed conditions, and product yields.

Find detailed substance information by searching with a chemical name or CAS Registry Number; or draw the exact structure you want to find with built-in, easy-to-use structure editors.
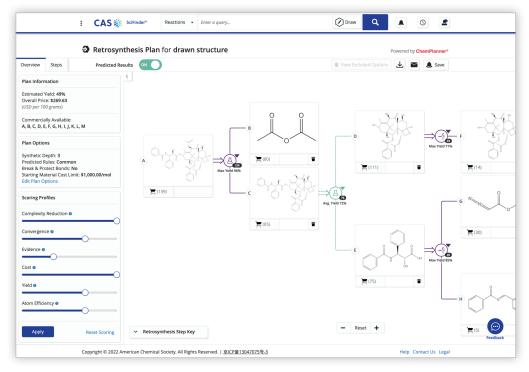
"Without CAS SciFinderⁿ, finding chemicals and routes would take hours more time, and be impossible in some cases."

Explore reaction pathways

Perform a full retrosynthetic analysis for both known and unknown molecules with the included retrosynthesis tool.
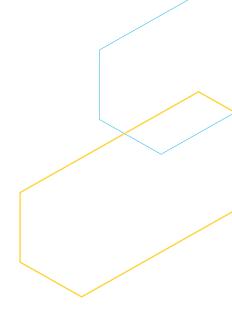
CAS SciFinder^n identifies the best potential synthetic routes based on steps from both literature and predicted steps generated by our synthetic chemistry engine. This helps you uncover, compare, and piece together the reaction pathways that fit your experimental capabilities and goals. Determine raw material price, chemical suppliers, step-by-step methods, product yields, and more—all before you head to the lab.

Plan the synthesis of a novel or known substance by starting with computer-aided retrosynthetic analysis.

> **"CAS SciFinder^n enables more comprehensive analysis of possible synthetic pathways."**
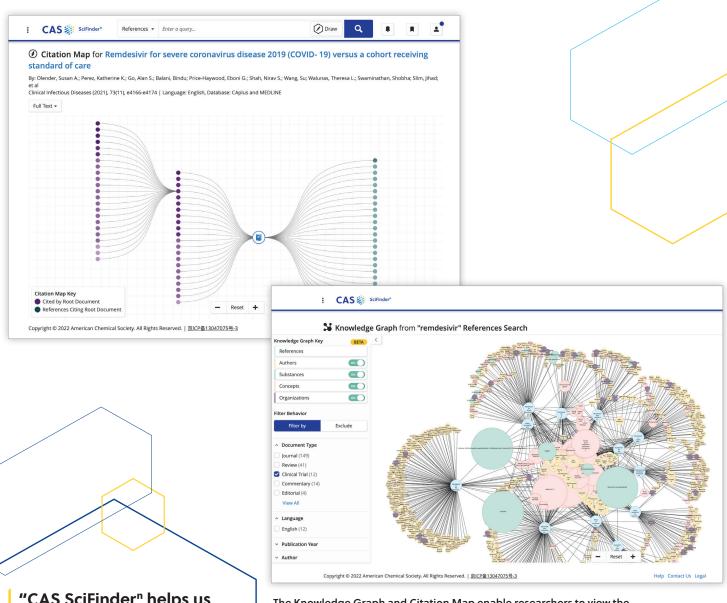>
> R&D Manager/Team Leader
> Large Enterprise Chemicals Company
> TechValidate, TVID: D2F-BED-EBE

Explore global research connections

Pinpoint trends, patterns, and outliers with the user-friendly visualization tools available in CAS SciFinder[n].

Tools like the Knowledge Graph and Citation Mapping help expand your understanding of the connections between organizations, authors, and references and the indexed substances and concepts. These interactive visuals provide tools to explore the global collection of scientific literature most relevant to your query.
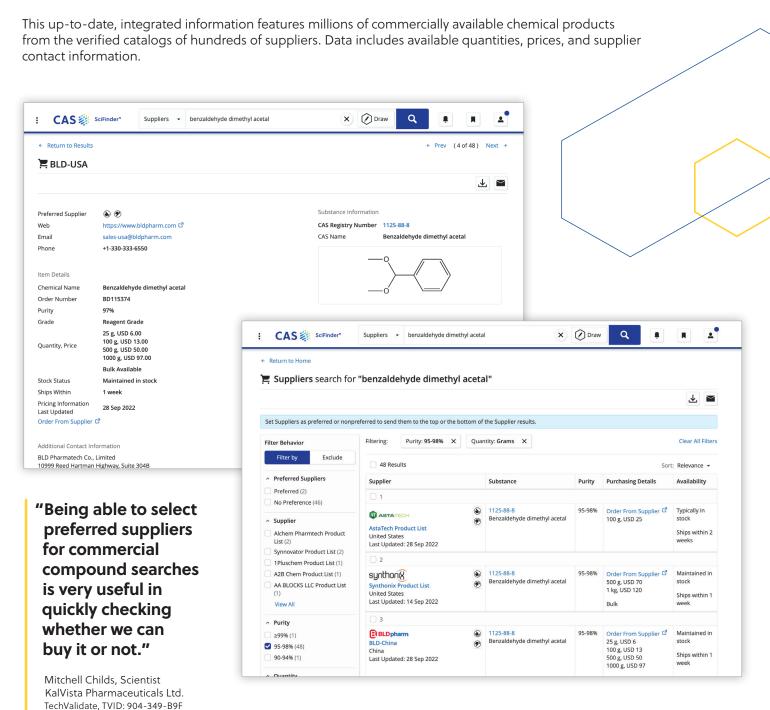

The Knowledge Graph and Citation Map enable researchers to view the connectivity and shared indexing of resources quickly and interactively.

> "CAS SciFinder[n] helps us in experimental design because it allows us to gather previous research from our field or similar, saving us time and money."

Isidre Casals, Molecular Biologist
Universitat de Barcelona
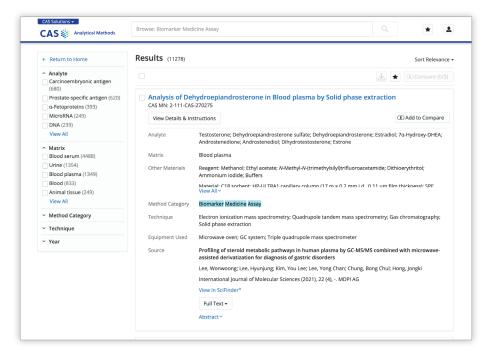TechValidate, TVID: F15-2FF-0D0

Find and compare commercial materials suppliers

Turn to CAS SciFinderⁿ to help develop your research plan, including identifying and comparing commercial suppliers for the materials you require to complete your research.

This up-to-date, integrated information features millions of commercially available chemical products from the verified catalogs of hundreds of suppliers. Data includes available quantities, prices, and supplier contact information.

"Being able to select preferred suppliers for commercial compound searches is very useful in quickly checking whether we can buy it or not."

Mitchell Childs, Scientist
KalVista Pharmaceuticals Ltd.
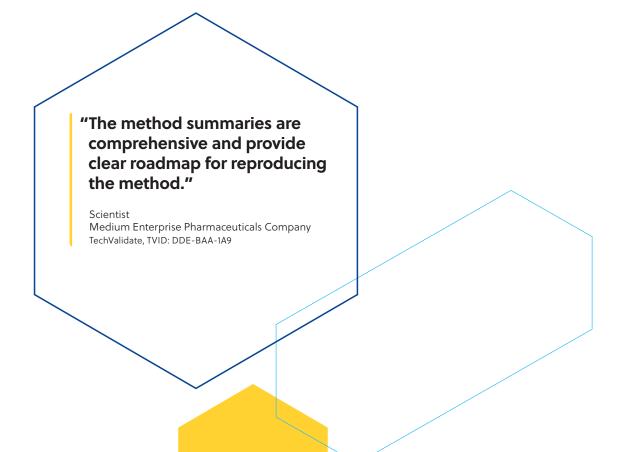TechValidate, TVID: 904-349-B9F

Learn from the experience of other scientists

A single-source discovery platform for in-depth scientific methods, CAS Analytical Methods® will help you discover the best scientific process to follow. Search hundreds of thousands of methods across multiple fields of study, giving you a comprehensive tool for comparing published scientific methods and techniques.
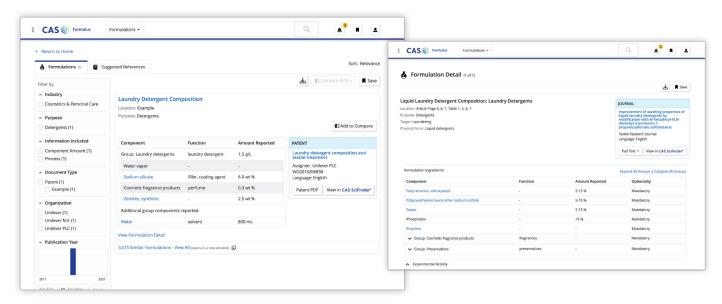

Quickly and easily find and browse methods that may not have existed in or are buried in primary literature.

"**The method summaries are comprehensive and provide clear roadmap for reproducing the method.**"

Scientist
Medium Enterprise Pharmaceuticals Company
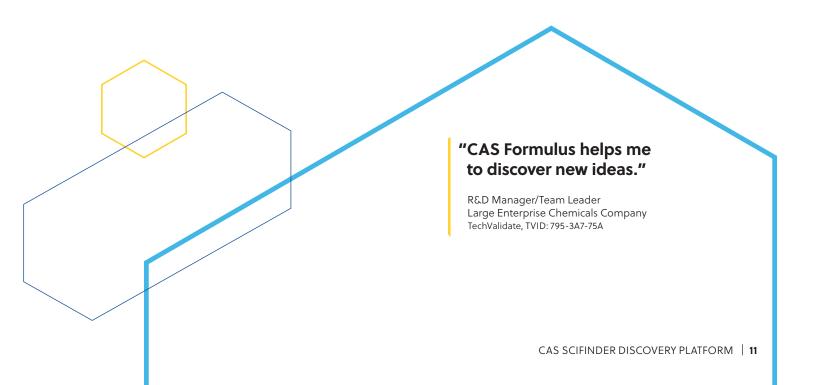TechValidate, TVID: DDE-BAA-1A9

Ensure the creation of safe products

With CAS Formulus® you have access to the world's leading collection of formulations, leading you to insights that go beyond literature. Understand a formulation's origin and effectiveness with access to the best information for active ingredients and excipients. Evaluate ingredients and manufacturing processes; and explore regulatory requirements in one, easy interface.

Indexed from journals and patents, view details, explore specific ingredients, and the see the source of the information.

"CAS Formulus helps me to discover new ideas."

R&D Manager/Team Leader
Large Enterprise Chemicals Company
TechValidate, TVID: 795-3A7-75A

CAS is a leader in scientific information solutions, partnering with innovators around the world to accelerate scientific breakthroughs. CAS employs over 1,400 experts who curate, connect, and analyze scientific knowledge to reveal unseen connections. For over 100 years, scientists, patent professionals, and business leaders have relied on CAS solutions and expertise to provide the hindsight, insight, and foresight they need so they can build upon the learnings of the past to discover a better future. CAS is a division of the American Chemical Society.

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