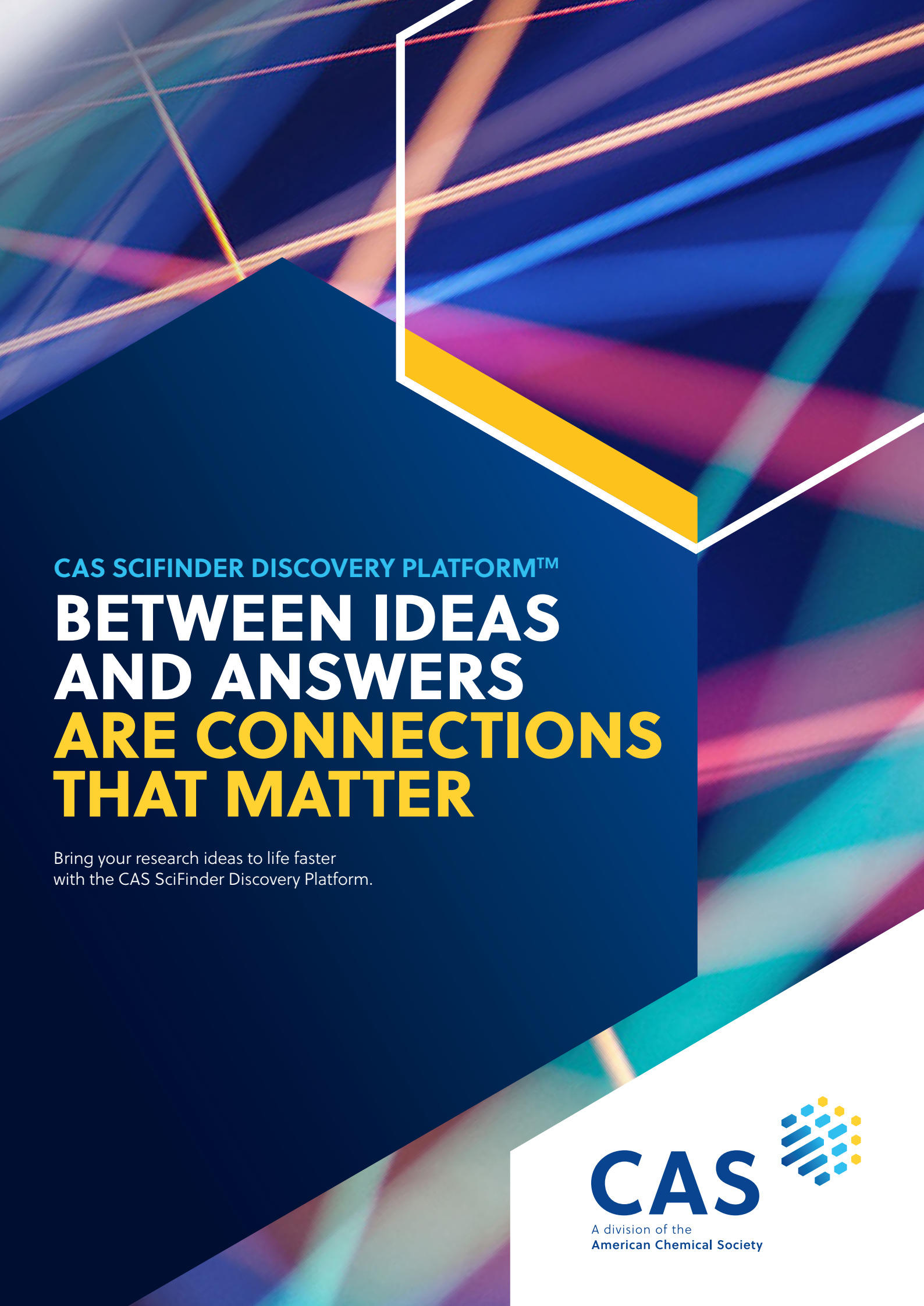


CAS SCIFINDER DISCOVERY PLATFORM™

BETWEEN IDEAS AND ANSWERS ARE CONNECTIONS THAT MATTER

Bring your research ideas to life faster
with the CAS SciFinder Discovery Platform.

CAS
A division of the
American Chemical Society

Experience everything the CAS SciFinder Discovery Platform has to offer

As the volume of scientific information continues to grow, finding exactly what you need—the connections amid the chaos—can be challenging. Whether you are reviewing the literature for funding applications and manuscripts, developing experimental plans for new projects, or searching for collaborators to help you advance the research in your field, the CAS SciFinder Discovery Platform speeds your connection to relevant insights.

"CAS SciFinder makes the whole process of research and writing more efficient. To do great, you need to be up-to-date!"

Ibrahim Alfurayj
Graduate Student / Post Doc,
Case Western Reserve
TechValidate, TVID: A89-6FB-4ED

"I wouldn't be able to do my job without it."

Chip Nataro
Faculty, Lafayette College
TechValidate, TVID: 5A5-CE3-9C7

"CAS SciFinder is like air for my research... you don't know how good it is until you don't have it."

Marcelo D Preite
Faculty, uc.cl
TechValidate. TVID: 910-7F8-D86

"CAS SciFinder helps me design my synthetic plans and keep up-to-date on my research field. I haven't found any other product able to do this."

Laura Morelli
Scientist, University of Milan
TechValidate, TVID: FA9-363-5C8

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®, retrosynthetic planning, sequences, bioactivity, visualizations, CAS Formulus®, CAS Analytical Methods™, and ChemZent®, making it the most complete source of scientific information in the world.

The CAS SciFinder Discovery Platform supports the foundational scientific needs of your research community.

- Leverage the most advanced relevance engine in the industry and discover more relevant and timely information faster.
- Access one 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.
- Find the best research protocols by searching and comparing hundreds of thousands of published scientific methods.
- Uncover information about active ingredients and excipients that guide the design of new formulations.
- Explore the pharmacology of drug-target-toxicity interactions with SAR and ADMET analysis.
- Search and analyze protein and nucleic acid sequences and related references that assist in life science research.
- Review historical insights from Chemisches Zentralblatt for comprehensiveness in chemistry literature reviews.

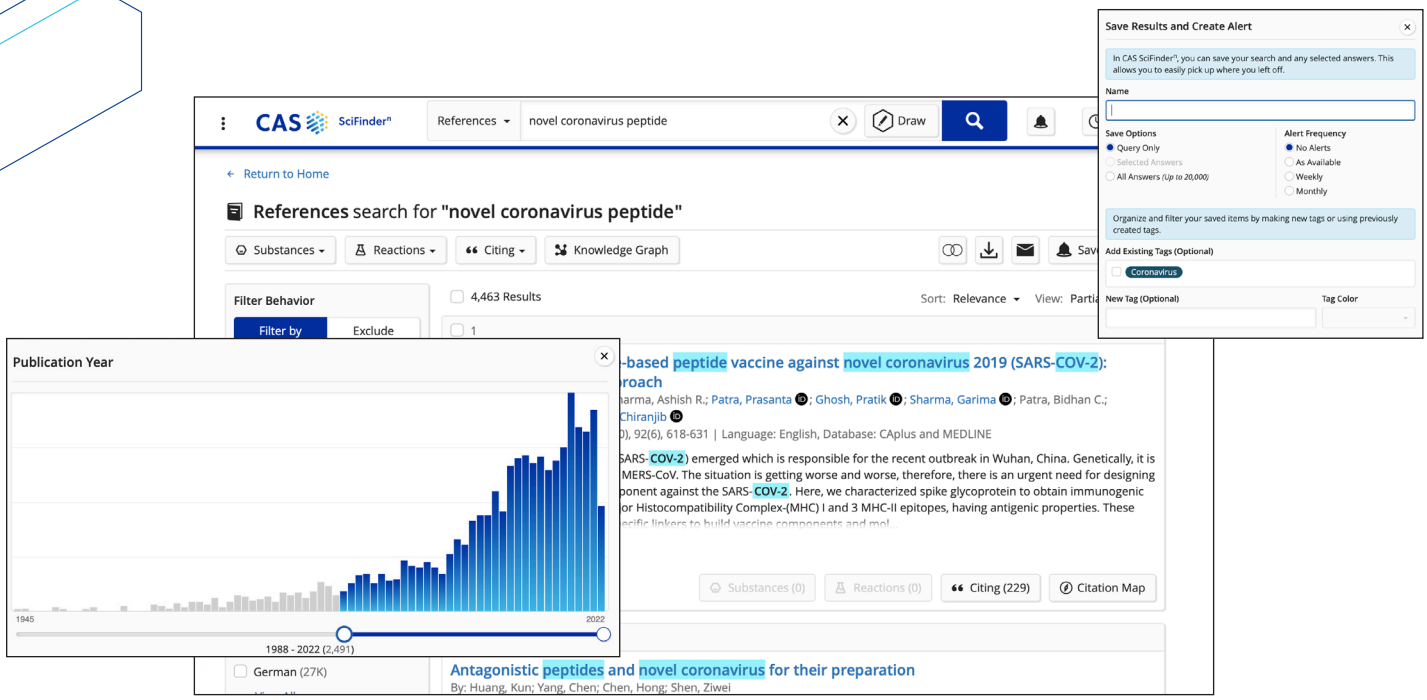
Connect to relevant and timely information

The challenge to retrieve relevant and timely information from an ever-increasing, vast collection of complex scientific literature can seem insurmountable. With the most advanced relevance engine in the industry, CAS SciFinder helps you search faster and smarter, anticipating your information needs to accelerate your research.

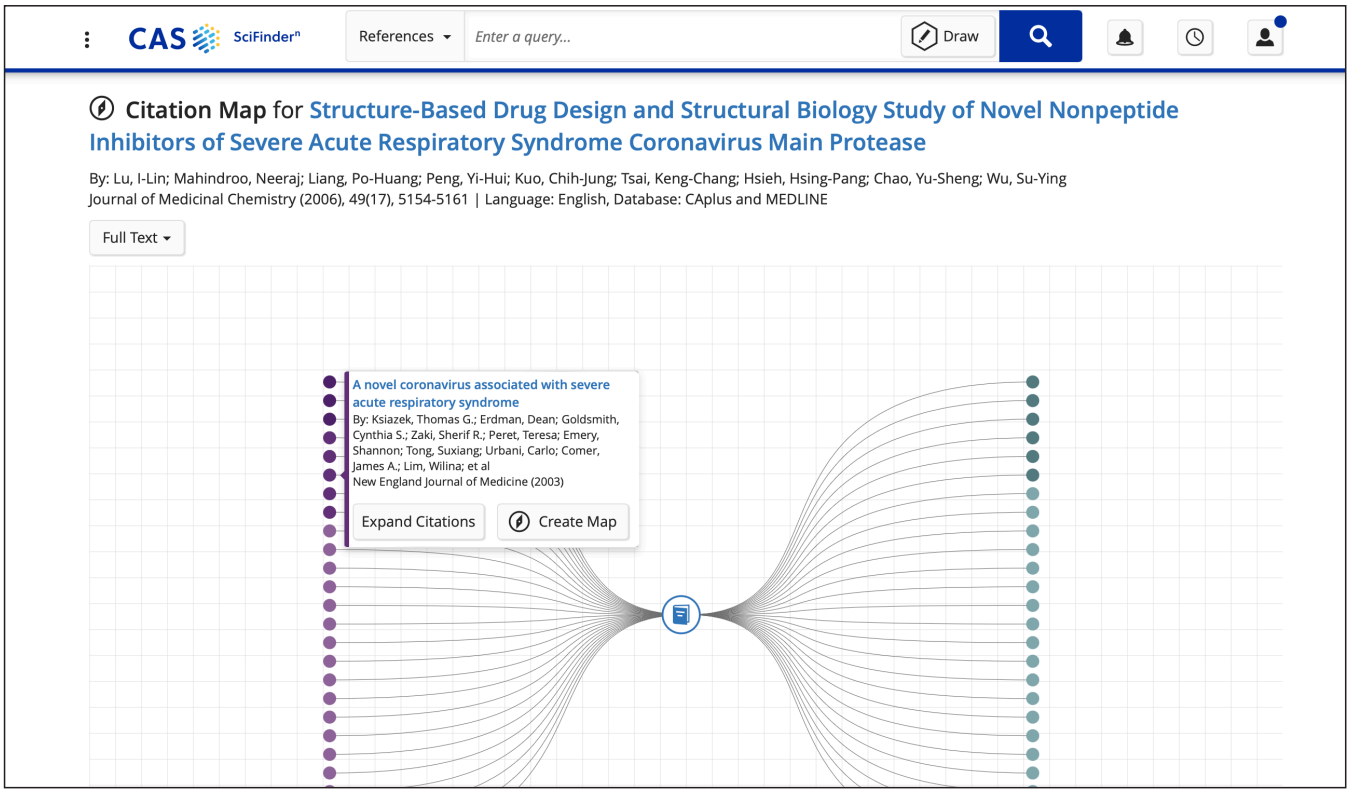
Our global network of scientists extracts key information from the world's published scientific literature daily, making connections only possible with the combined power of expert human analysis and advanced data technology. Worried about missing the latest journal publications or patents in your field of research? With CAS SciFinder, you won't miss a thing.

> **"CAS SciFinder makes finding relevant publications much faster, giving more time for in-lab experimentation."**
>
> Graduate Student / Post Doc, Educational Institution
> TechValidate, TVID: F88-FA8-815

> **"The Alerts that I have set up to keep me up-to-date with the publications in my field is one of CAS SciFinder's greatest tools."**
>
> Graduate Student / Post Doc, Educational Institution
> TechValidate, TVID: C12-8A1-8B8



Use advanced filters to narrow your results by document type, author, organization, publication year, and more. Set up Alerts to be notified when new research is published in your field.



Extend your exploration of relevant scientific literature with a Citation Map of research cited by (backward) and citing (forward) a publication of interest.

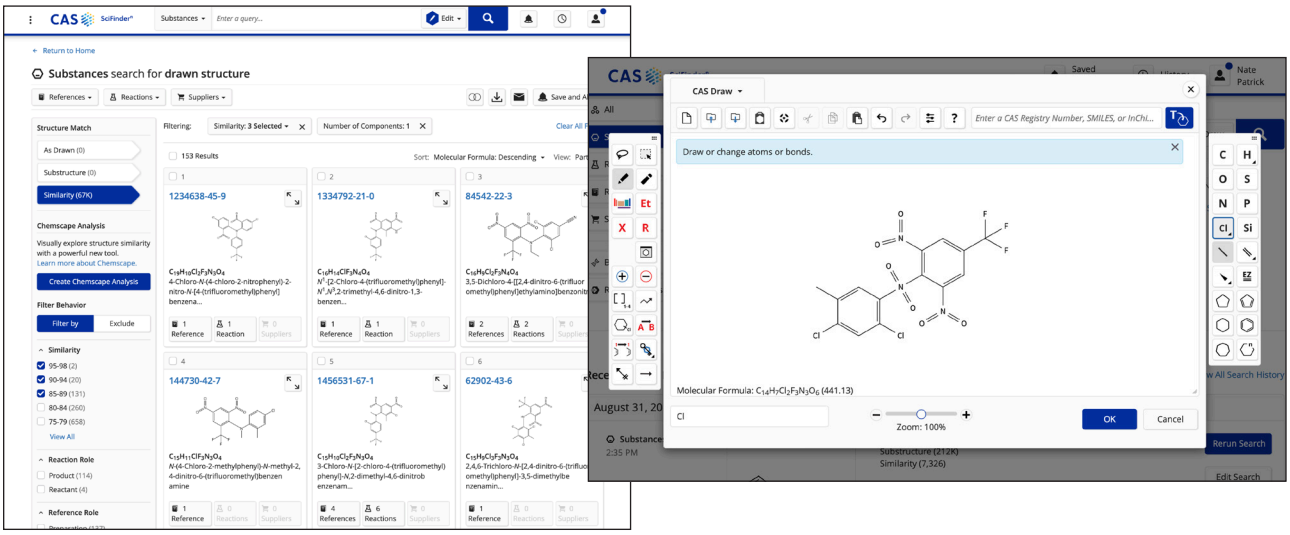
Plan your experiments with confidence

Your cutting-edge research requires authoritative, high-quality information on substances and chemical reactions. With data on more than 250 million organic and inorganic substances and 130 million single and multi-step reactions, CAS SciFinder is your one true source to identify a substance and its related chemical structure, names, regulatory information, and properties, as well as reaction schemes, step-by-step experimental procedures, detailed reaction conditions, and yields.

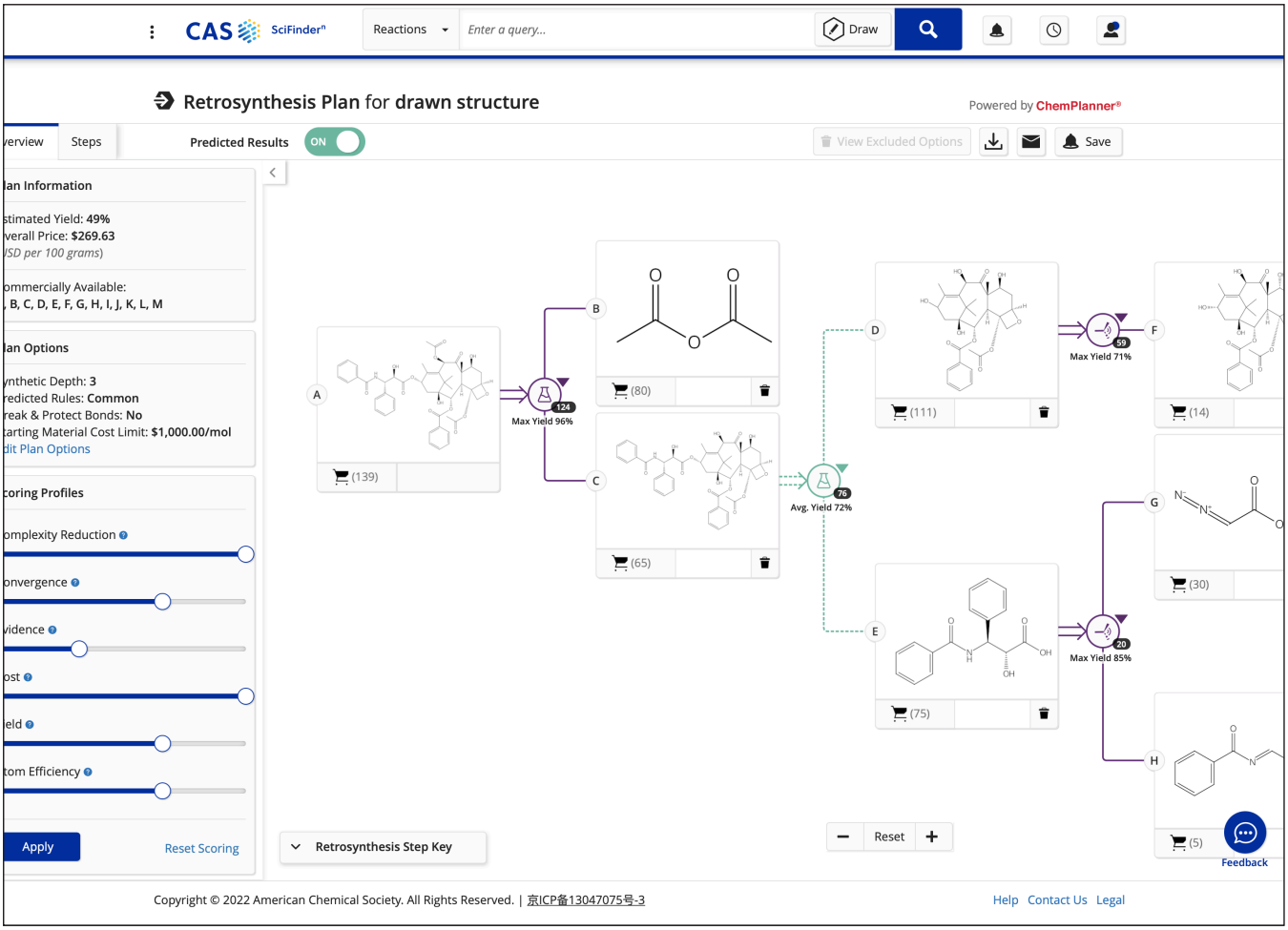
Your successful chemical synthesis starts with a detailed synthetic plan, but uncovering, comparing, and piecing together reaction pathways can be challenging. For known substances and those not previously reported in the literature, CAS SciFinder will perform a full retrosynthetic analysis to help you identify synthetic routes to fit your needs. Determine price, chemical suppliers, step-by-step methods, product yields, and more— all before you head to the lab.

> **"I find the retrosynthesis capability of CAS SciFinder really unique and extremely helpful to design my synthesis routes."**
>
> Graduate Student / Post Doc, Educational Institution
> TechValidate, TVID: 7AA-C7C-71D

> **"Being able to search for journal articles, reactions, and substances all on one platform is very useful. I also like being able to search using a chemical structure, which isn't something you can do with just Google."**
>
> Graduate Student / Post Doc, Educational Institution
> TechValidate, TVID: 790-B0F-A51



Find detailed substance information by searching with a chemical name, CAS Registry Number®, or draw exactly the structure you want to find with built-in, easy-to-use structure editors.

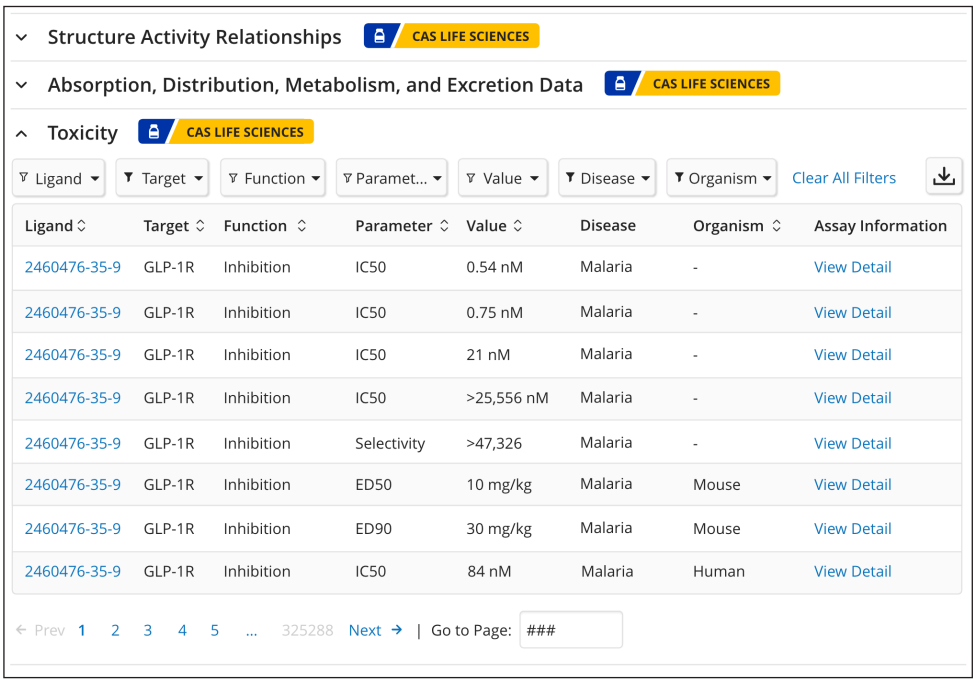


Plan your synthesis of a novel or known substance with a retrosynthetic analysis powered by computer-aided synthesis design.

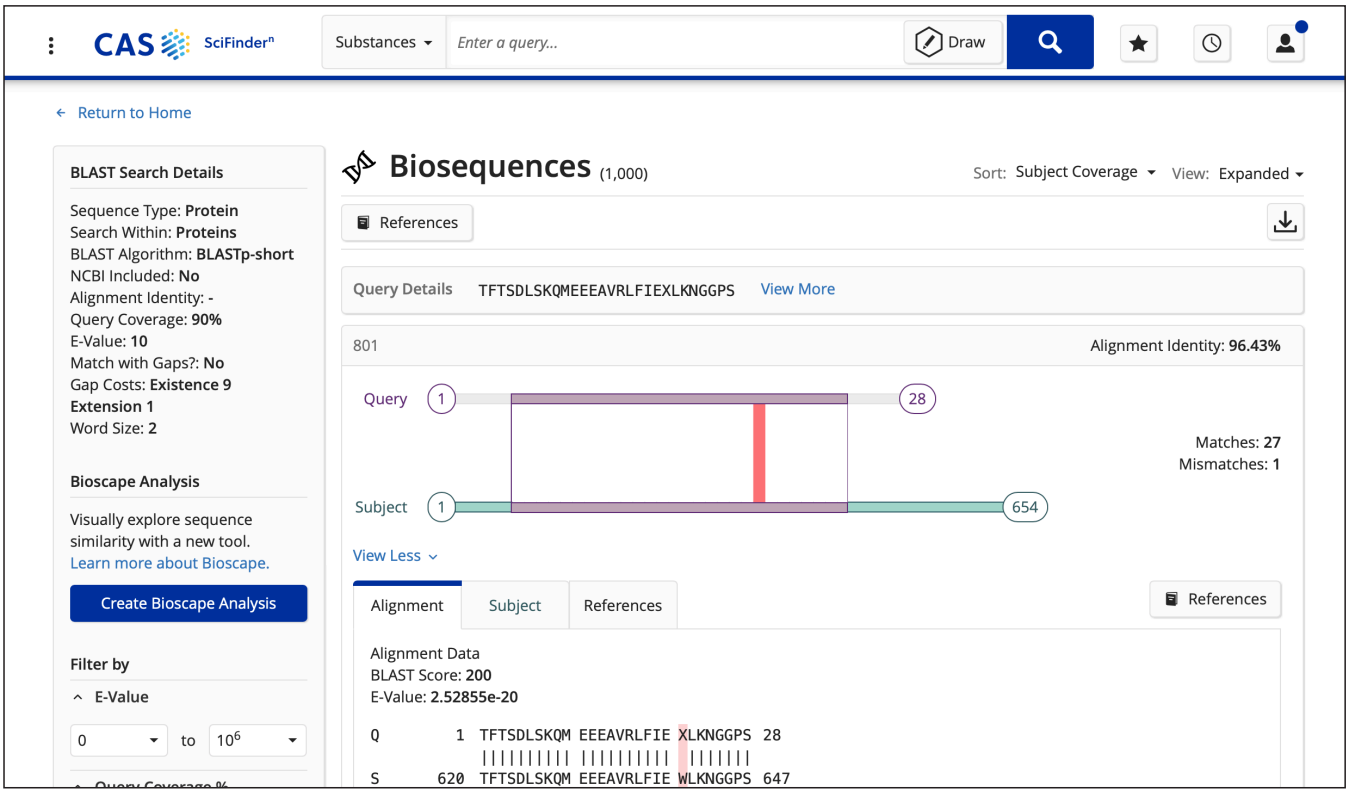
Seamlessly investigate sequences and bioactivity data

Integrated with the world's most comprehensive collection of chemical reactions, substances, and indexed scientific literature, you'll find one of the largest, most comprehensive sources of sequence and bioactivity data. This information helps ensure you're aware of the most recent research to inspire new ideas.

The extensive collection of bioactivity data consists of more than 10 million truly unique substances with more than 45 million bioactivity measurements and 90,000 defined targets, including all human targets. Explore the pharmacology of drug-target-toxicity interactions with SAR and ADMET analysis to uncover novel targets for therapeutic intervention and gauge the safety of unique compounds. The sequence functionality within CAS SciFinder enables a simultaneous query of journals, public databases, patents, and more, saving time and ensuring thoroughness in your literature searches. Perform BLAST, CDR, and Motif searches across more than 700 million protein and nucleic acid sequences in the database, helping you identify the most critical information for your research.



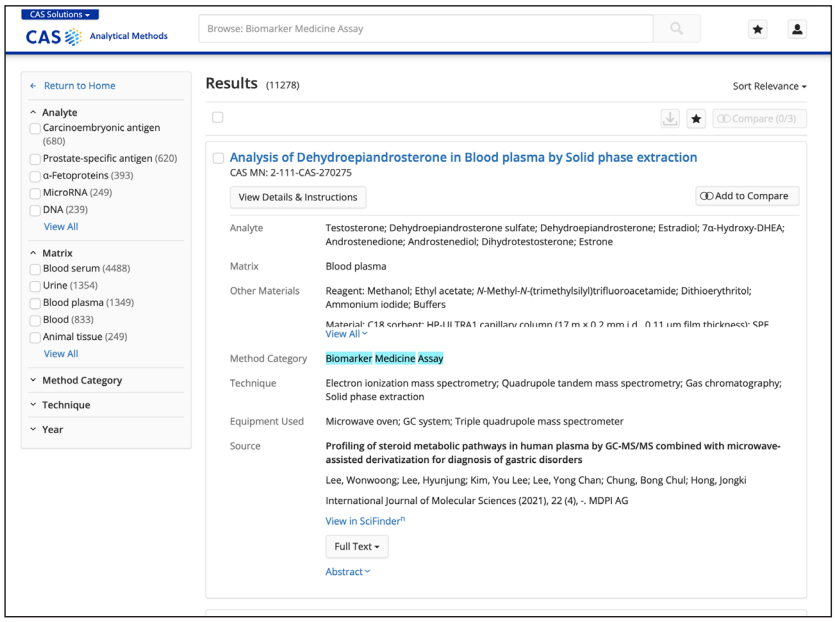
Review structure-activity relationship data to identify content and access details specific to a ligand, target, or disease.



Easily find regions of local similarity between protein and nucleotide sequences using the BLAST search capability within CAS SciFinder.

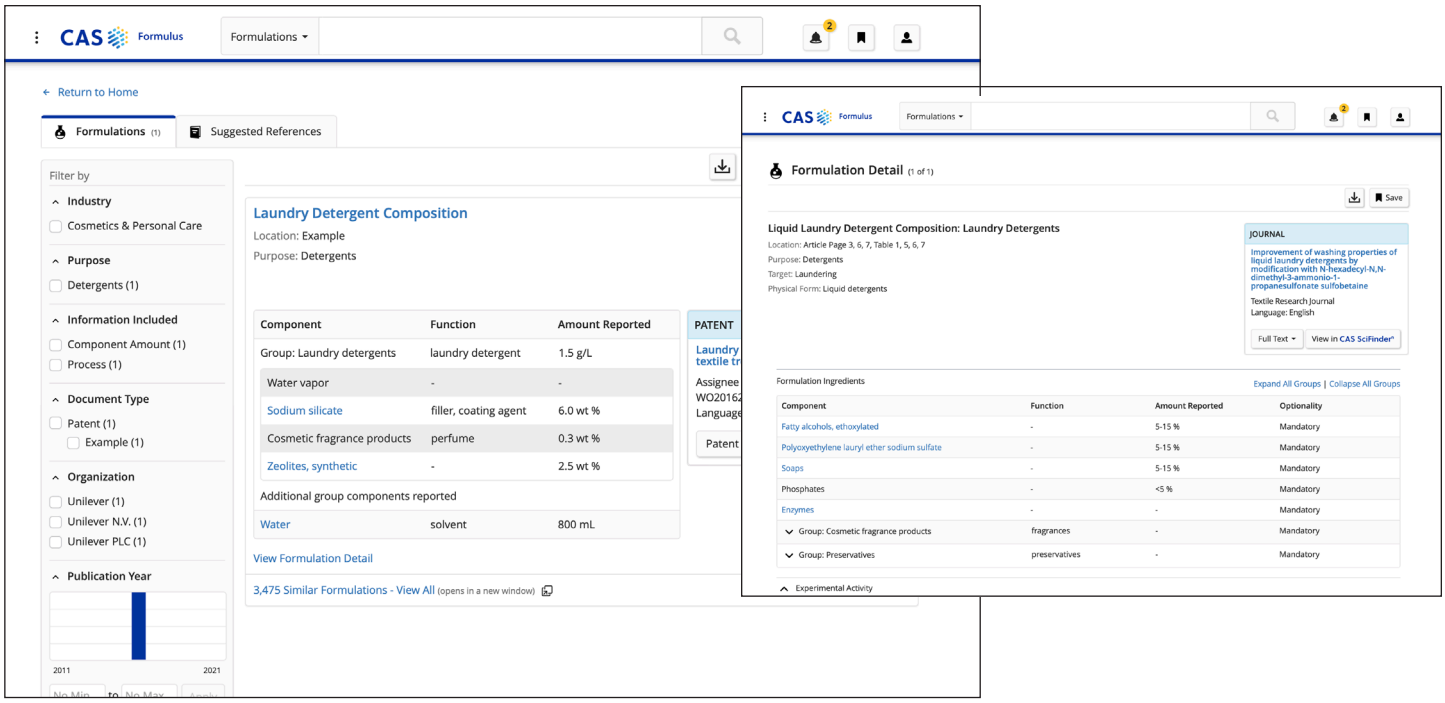
Learn from the experience of other scientists

Whether you are researching an established process to follow, seeking to understand how to produce safe and effective products, or searching for historical chemistry insights, the CAS SciFinder Discovery Platform provides the integrated solutions you need.

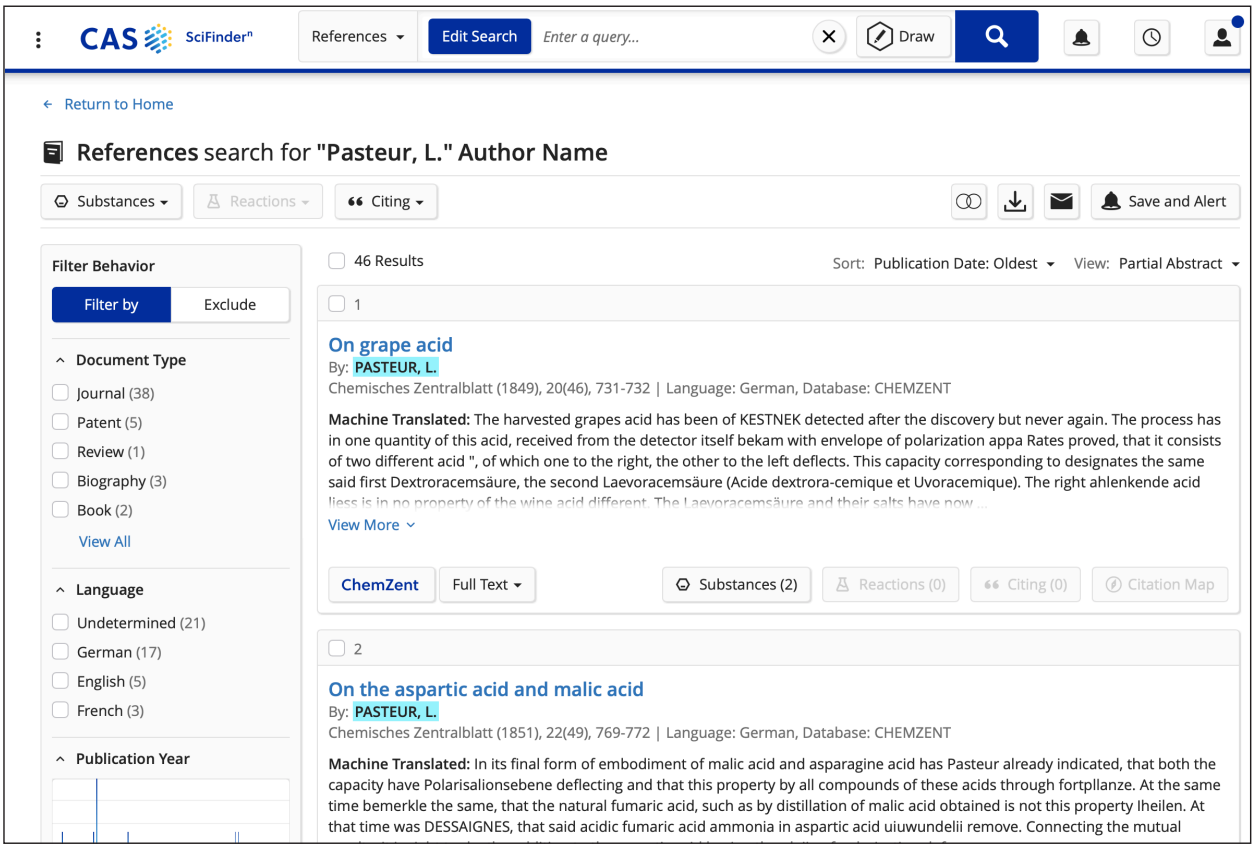


A single-source discovery platform for in-depth scientific methods, CAS Analytical Methods™ will help you discover the best scientific process to follow. Search hundreds of thousands of methods across multiple fields of study, giving you a comprehensive tool for comparing published scientific methods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

> **"CAS Analytical Methods has made things easier. Easier to find several alternatives and their advantages."**
>
> Faculty, Educational Institution
> TechValidate, TVID: 76E-EE8-3B0



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.



ChemZent® is the only online source of Chemisches Zentralblatt, with machine-translated English abstracts and the original German versions. Indexed to fit seamlessly into CAS SciFinder workflows, this comprehensive source features more than 800,000 documents and over 3 million abstracts.

CAS connects the world's scientific knowledge to accelerate breakthroughs that improve lives. We empower global innovators to efficiently navigate today's complex data landscape and make confident decisions in each phase of the innovation journey. As a specialist in scientific knowledge management, our team builds the largest authoritative collection of human-curated scientific data in the world and provides essential information solutions, services, and expertise. Scientists, patent professionals, and business leaders across industries rely on CAS to help them uncover opportunities, mitigate risks, and unlock shared knowledge so they can get from inspiration to innovation faster. CAS is a division of the American Chemical Society.

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