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As the volume of scientific information continues to grow, finding exactly what you need—the connections amid the chaos—can be challenging. Whether you're 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, CAS SciFinderⁿ speeds your connection to relevant insights.

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of surveyed users in academia said that CAS SciFinderⁿ is extremely or very important to their research.

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"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
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Ibrahim Alfurayj
Graduate Student / Post Doc,
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Chip Nataro
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**"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, Pontifical Catholic University of Chile
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**"Nearly every time I use CAS
SciFinder[®], I see something that
sparks new ideas."**

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Featuring the world-renowned CAS Content Collection™ and the most advanced relevance engine in the industry, CAS SciFinder[®] will help you bring research ideas to life faster.

CAS SciFinder[®] goes beyond chemistry. Tell your colleagues and collaborators in the life sciences about our coverage of the biomedical literature from PubChem and all-new biosequence searching capabilities.



Connect to relevant and timely information

You face an almost insurmountable challenge to retrieve relevant and timely information from the vast and complex scientific literature—the proverbial needle in the haystack. With the most advanced relevance engine in the industry, CAS SciFinder[®] searches faster and smarter, anticipating your information needs to accelerate your research.

“CAS SciFinder[®] makes finding relevant publications much faster, giving more time for in-lab experimentation.”

Graduate Student / Post Doc, Educational Institution
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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.



“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.”

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CAS SciFinder[®] References novel coronavirus nonpeptide

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By: Lu, I-Lin; Mahindroo, Neeraj; Liang, Po-Huang; Peng, Yi-Hui; Kuo, Chih-Jung; Tsai, Keng-Chang; Hsieh, Hsing-Pang; Chao, Yu-Sheng; Wu, Su-Ying

Journal of Medicinal Chemistry (2020) MEDLINE

Publication Year

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Structure-Based Drug Design and Structural Biology Study of Novel Nonpeptide Inhibitors of Severe Acute Respiratory Syndrome Coronavirus Main Protease

By: Lu, I-Lin; Mahindroo, Neeraj; Liang, Po-Huang; Peng, Yi-Hui; Kuo, Chih-Jung; Tsai, Keng-Chang; Hsieh, Hsing-Pang; Chao, Yu-Sheng; Wu, Su-Ying

Journal of Medicinal Chemistry (2020) MEDLINE

A novel coronavirus associated with severe acute respiratory syndrome

By: Ksiazek, Thomas G.; Erdman, Dean; Goldsmith, Cynthia S.; Zaki, Sherif R.; Peret, Teresa; Emery, Shannon; Tong, Suxiang; Urbani, Carlo; Comer, James A.; Lim, Wilina; et al

New England Journal of Medicine (2003)

Cited by 2,549

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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.

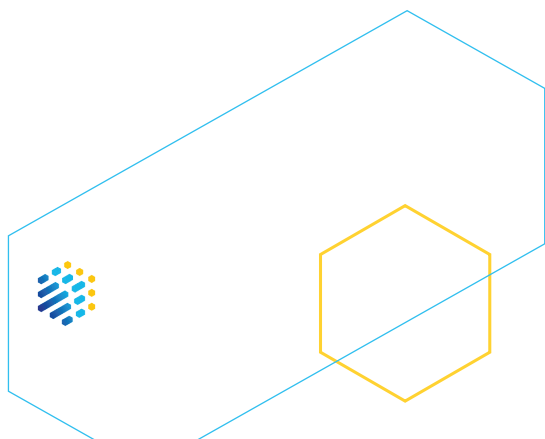
“Being able to search for journal articles, reactions, and substances all on one platform is very useful. I also like being able to search using a chemical structure, which isn’t something you can do with just Google.”

Graduate Student / Post Doc, Educational Institution
TechValidate, TVID: 790-B0F-A51

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



The image shows the CAS Draw interface. On the left is a chemical structure editor with a toolbar and a search bar. The main area displays a complex organic molecule. On the right is a search results page for 'Substances (25)'. The results are sorted by Relevance and shown in a grid. Each result card includes a chemical structure, a name, a CAS number, and statistics for references, reactions, and suppliers.

Substances (25) Sort: Relevance View: Partial

References Reactions Suppliers Save

CAS Number	Name	References	Reactions	Suppliers
6-50-9	1,1'-Sulfonylbis[4-nitrobenzene]	120	50	53
219765-20-5	2-[(2,4-Dichloro-5-methylphenyl)sulfonyl]-1,3-dinitro-5-(trifluoromethyl)benzene	9	0	3
468726-63-8	5-[3-(Trifluoromethyl)-1H-1,2,4-triazol-5-yl] 5-(2-phenylethyl)-2-furancarboth...	6	0	2

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.

The image shows the CAS SciFinder Retrosynthesis interface. The top navigation bar includes the CAS SciFinder logo, a search bar, and a 'Draw' button. The main section is titled 'Retrosynthesis' and is powered by ChemPlanner. The interface is divided into 'Overview', 'Steps', and 'Predicted Results' (which is currently selected and turned ON). On the left, there is a 'Plan Information' sidebar with details like 'Estimated Yield: 50%', 'Overall Price: \$79.60 (USD per 100 grams)', and 'Commercially Available: C, D'. The main area displays a retrosynthetic analysis plan with three steps (A, B, and C) connected by arrows. Step A is the starting material, which is broken down into reagents B and C. Step B is further broken down into reagents C and D. The average yields for each step are 72% and 70% respectively. A 'Retrosynthesis Step Key' is provided at the bottom, and there are 'Reset' and 'Save' buttons.

Retrosynthesis Powered by ChemPlanner®

Overview Steps Predicted Results **ON**

Plan Information

Estimated Yield: 50%
Overall Price: \$79.60
(USD per 100 grams)

Commercially Available: C, D

Plan Options

Synthetic Depth: 3
Predicted Rules: Common
Break & Protect Bonds: No
[Edit Plan Options](#)

Scoring Profiles

Complexity Reduction

Retrosynthesis Step Key

Reset

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



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