

**CAS SCIFINDER
DISCOVERY PLATFORM™**

ACCELERATE SCIENTIFIC DISCOVERY AND INNOVATE WITH CONFIDENCE

Trust your research to the world's
most comprehensive source of
scientific information.

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® is a must for my research. I cannot imagine working properly without it."

Xifu Liang
Sr. Scientist, Novo Nordisk
uevi.co/2540ZTPX

"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
uevi.co/3248CMDP

"If you are involved with finding scientific literature, CAS SciFinder is mandatory. It's the most comprehensive data source and most powerful searching tool."

Patent Searcher/Analyst
Chemicals Company
uevi.co/7846AHEC

"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
uevi.co/7713VIOX



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, CAS Formulus®, CAS Analytical Methods™, CAS Chemical Compliance Index™, a retrosynthetic analysis tool, and data visualization tools, with the most comprehensive source of scientific information in the world, making it a powerful research companion.

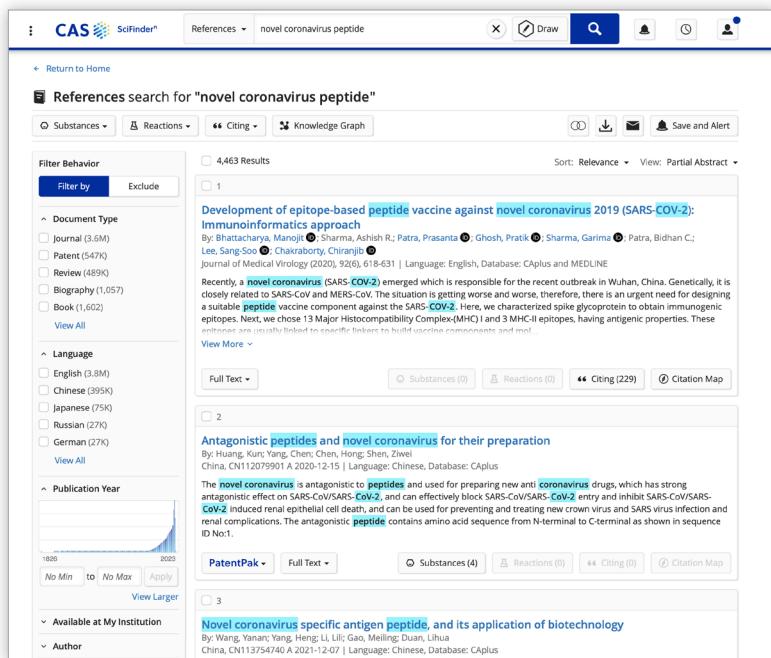
The CAS SciFinder Discovery Platform supports these foundational scientific needs of your research organization.

- 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.
- Access a single source for global compliance and regulatory information from more than 150 international lists and stay up-to-date on evolving regulations.

Quickly discover relevant and timely information

The advantage of CAS SciFinder 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.



The screenshot shows the CAS SciFinder search results for the query "novel coronavirus peptide". The interface includes a navigation bar with the CAS SciFinder logo, a search input field, and various search filters like "Substances", "Reactions", and "Citing". The main results area displays 4,463 results, sorted by relevance. The first result is a journal article titled "Development of epitope-based peptide vaccine against novel coronavirus 2019 (SARS-CoV-2): Immunoinformatics approach". The second result is a patent titled "Antagonistic peptides and novel coronavirus for their preparation". The third result is a patent titled "Novel coronavirus specific antigen peptide, and its application of biotechnology". Each result includes a brief abstract, citation count, and links to full text, substances, reactions, and citation maps.

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
uevi.co/7103PQLZ

Analyze the IP landscape

Get answers to a host of IP-related questions using CAS SciFinder, 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."

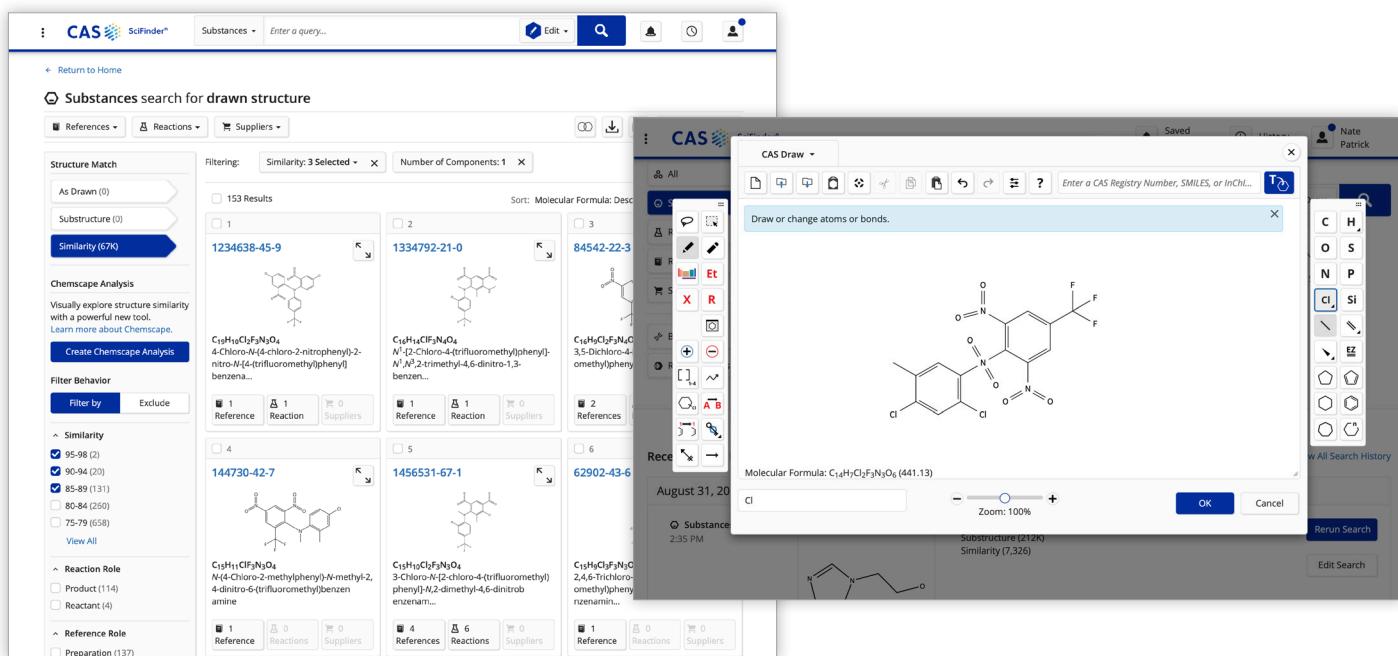
Jan Eickhoff
R&D Manager/Team Leader
Lead Discovery Center
uevi.co/8858YFLX

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 SciFinder 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.



The screenshot shows the CAS SciFinder interface. On the left, the 'Substances' search results page is displayed, showing a list of substances with their chemical structures, names, and formulas. On the right, a modal window titled 'CAS Draw' is open, showing a drawing tool with various chemical elements and a substructure being drawn. The substructure is a complex molecule with a molecular formula of C14H7Cl2F3N3O6 (441.13).

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 SciFinder, finding chemicals and routes would take hours more time, and be impossible in some cases."

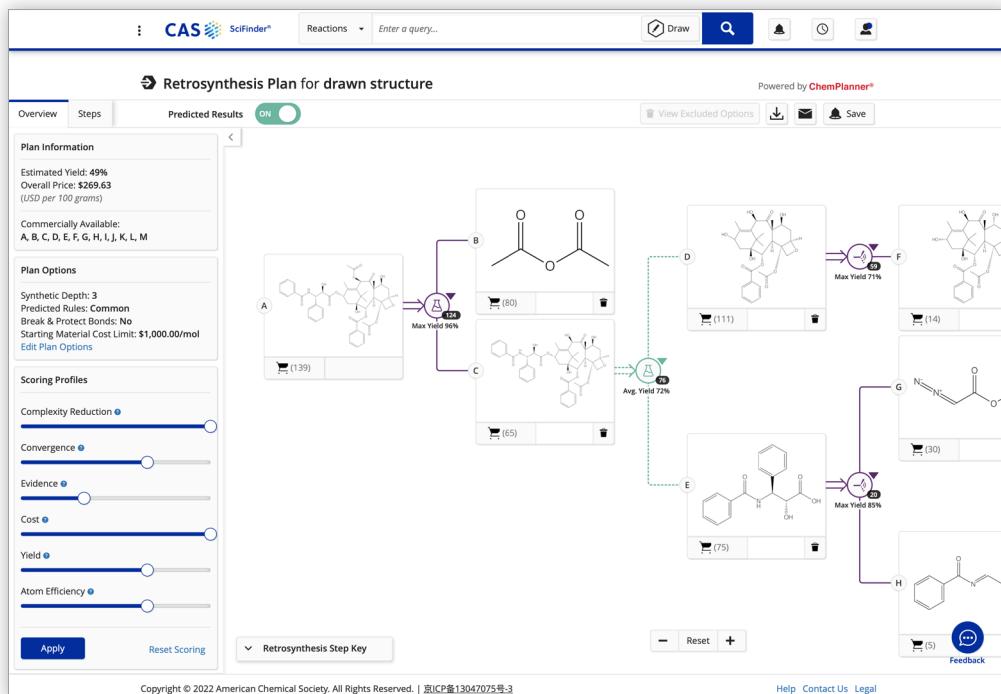
Scientist, Small Biopharmaceutical Company
uevi.co/3858BSEJ



Explore reaction pathways

Perform a full retrosynthetic analysis for both known and unknown molecules with the included retrosynthesis tool.

CAS SciFinder 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.

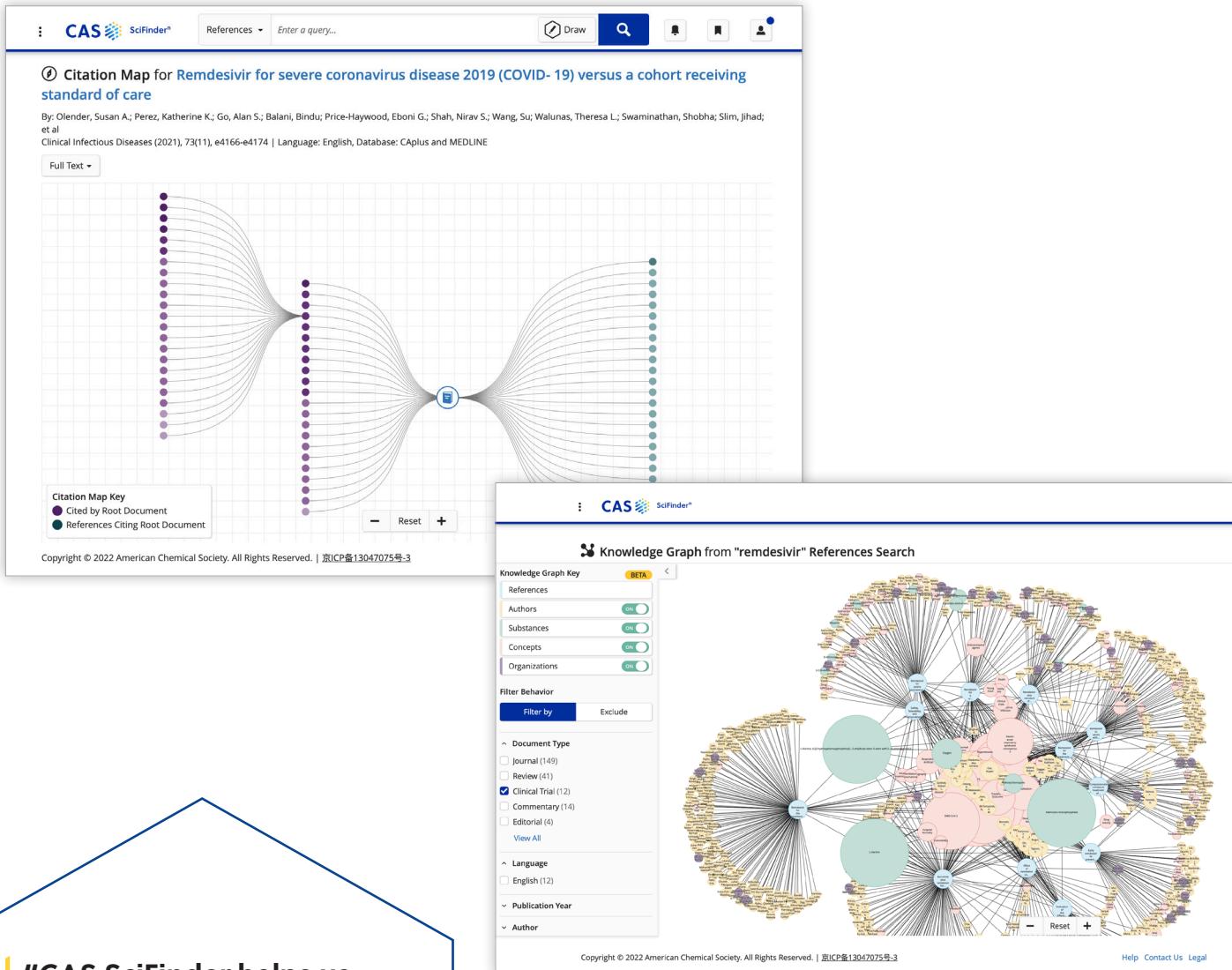
“CAS SciFinder enables more comprehensive analysis of possible synthetic pathways.”

R&D Manager/Team Leader
Large Enterprise Chemicals Company
uevi.co/9911UCTN

Explore global research connections

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

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.



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

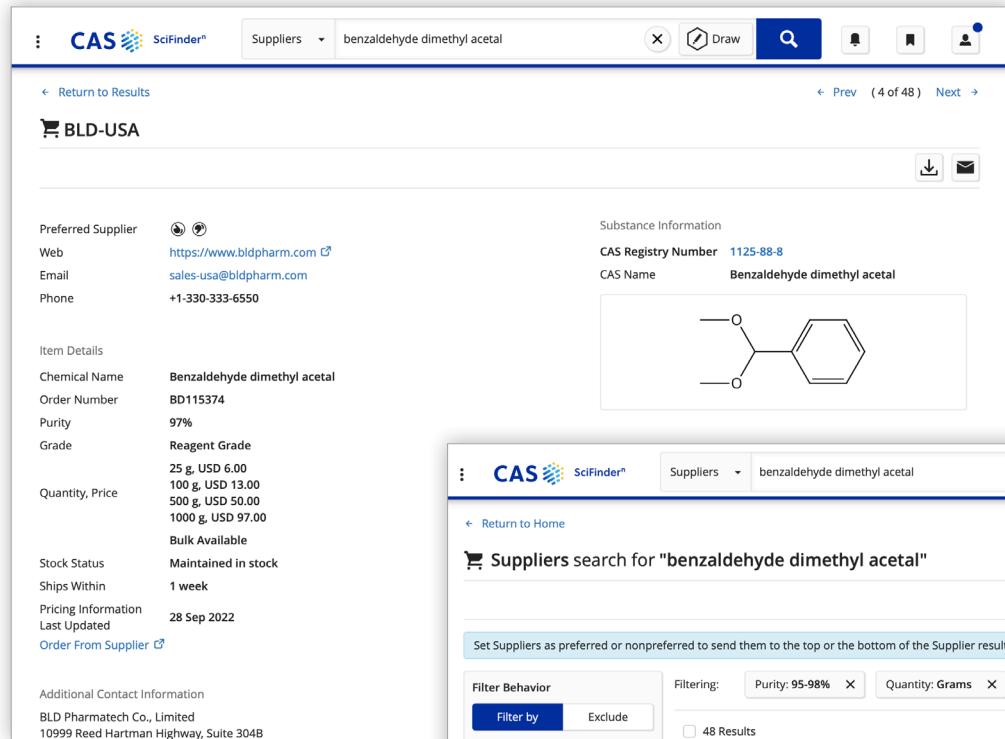
Isidre Casals, Molecular Biologist
Universitat de Barcelona
uevi.co/8416LUDE

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

Find and compare commercial materials suppliers

Turn to CAS SciFinder 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.



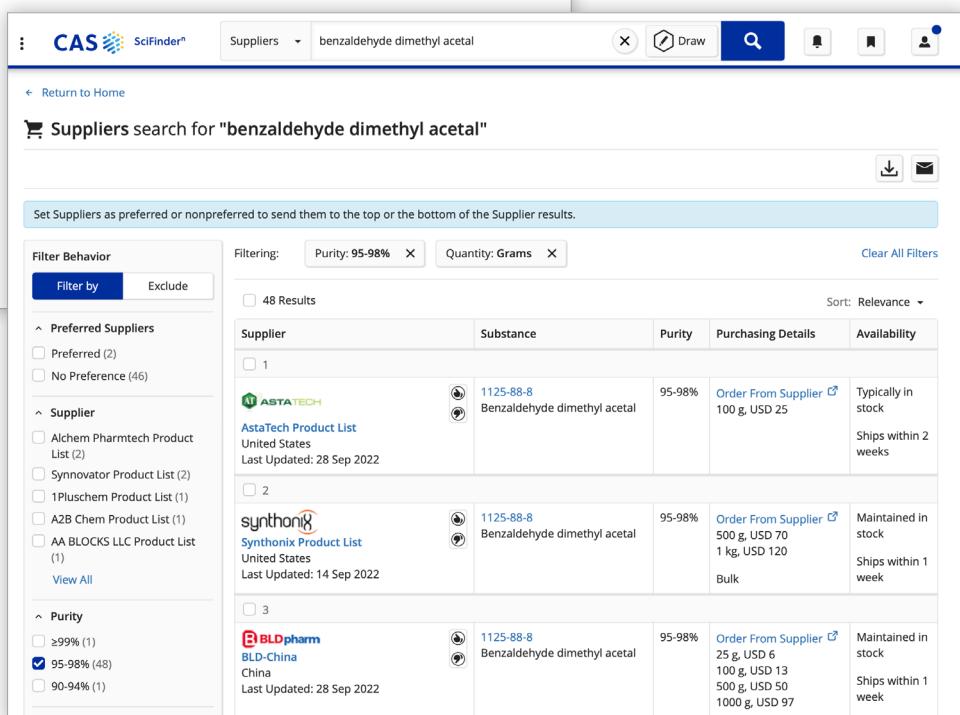
Preferred Supplier: BLD-USA

Substance Information: CAS Registry Number 1125-88-8, CAS Name Benzaldehyde dimethyl acetal

Chemical Structure: CC(=O)c1ccccc1C(=O)OC

Item Details	Value
Chemical Name	Benzaldehyde dimethyl acetal
Order Number	BD115374
Purity	97%
Grade	Reagent Grade
Quantity, Price	25 g, USD 6.00 100 g, USD 13.00 500 g, USD 50.00 1000 g, USD 97.00
Stock Status	Maintained in stock
Ships Within	1 week
Pricing Information	28 Sep 2022
Last Updated	28 Sep 2022
Order From Supplier	Order From Supplier

Additional Contact Information: BLD Pharmatech Co., Limited, 10999 Reed Hartman Highway, Suite 304B



Suppliers search for "benzaldehyde dimethyl acetal"

Set Suppliers as preferred or nonpreferred to send them to the top or bottom of the Supplier results.

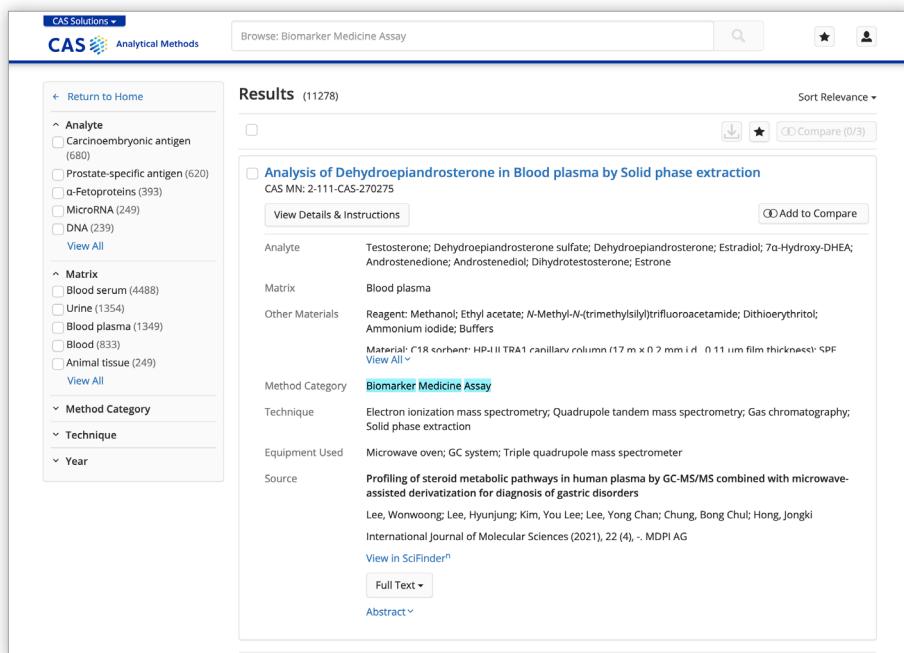
Supplier	Substance	Purity	Purchasing Details	Availability
AstaTech	1125-88-8 Benzaldehyde dimethyl acetal	95-98%	Order From Supplier	Typically in stock Ships within 2 weeks
Synthonix	1125-88-8 Benzaldehyde dimethyl acetal	95-98%	Order From Supplier	Maintained in stock Ships within 1 week
BLD-pharm	1125-88-8 Benzaldehyde dimethyl acetal	95-98%	Order From Supplier	Maintained in stock Ships within 1 week

"CAS SciFinder enables efficient identification of synthetic routes to target molecules, and assists with identification of commercial suppliers of required starting materials."

Scientist
Government Organization
uevi.co/5320DXHG

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.



The screenshot shows the CAS Analytical Methods website interface. The top navigation bar includes 'CAS Solutions' and 'CAS Analytical Methods'. A search bar is at the top right with the text 'Browse: Biomarker Medicine Assay'. Below the search bar are 'Sort Relevance' and 'Compare (0/3)' buttons. The main content area is titled 'Results (11278)'. A detailed method card is displayed for 'Analysis of Dehydroepiandrosterone in Blood plasma by Solid phase extraction' (CAS MN: 2-111-CAS-270275). The card includes sections for 'Analyte' (Testosterone, Dehydroepiandrosterone sulfate, etc.), 'Matrix' (Blood plasma), 'Other Materials' (Reagent: Methanol, Ethyl acetate, etc.), 'Method Category' (Biomarker Medicine Assay), 'Technique' (Electron ionization mass spectrometry, Quadrupole tandem mass spectrometry, Gas chromatography, Solid phase extraction), 'Equipment Used' (Microwave oven, GC system, Triple quadrupole mass spectrometer), and 'Source' (Lee, Wonwoong; Lee, Hyunjung; Kim, You Lee; Lee, Yong Chan; Chung, Bong Chul; Hong, Jongki. International Journal of Molecular Sciences (2021), 22 (4), -. MDPI AG). Buttons for 'View Details & Instructions', 'Add to Compare', 'View in SciFinder®', 'Full Text', and 'Abstract' are also present.

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

**"CAS Analytical Methods
shortens the project
development timeline."**

R&D Manager
Pharmaceuticals Company
uevi.co/7867GMTX



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.

CAS Chemical Compliance Index provides a single source for up-to-date, global regulatory information. With an increasingly complex global regulatory landscape, take advantage of the ability to set up Alerts to be notified when changes occur for any tracked substances.

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

Review information found on more than 150 global lists to empower responsible, sustainable decisions.

"CAS Formulus really saves precious time for researchers."

Narendra Kumar Maddali
Sr. Scientist, USP
uevi.co/4681LYZG

"CAS Chemical Compliance Index is one of the most important tools in modern regulatory chemistry."

Compliance/Regulatory
Chemicals Company
uevi.co/9144TEBJ



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.

Connect with us at cas.org

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