THE FUTURE OF CAS SCIFINDER DISCOVERY PLATFORM

PARTNERING WITH CAS

UK Universities

CAS

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American Chemical Society

CAS accelerates breakthroughs

As a leader in scientific information solutions, we curate, connect, and analyze the world's published science to accelerate discovery.
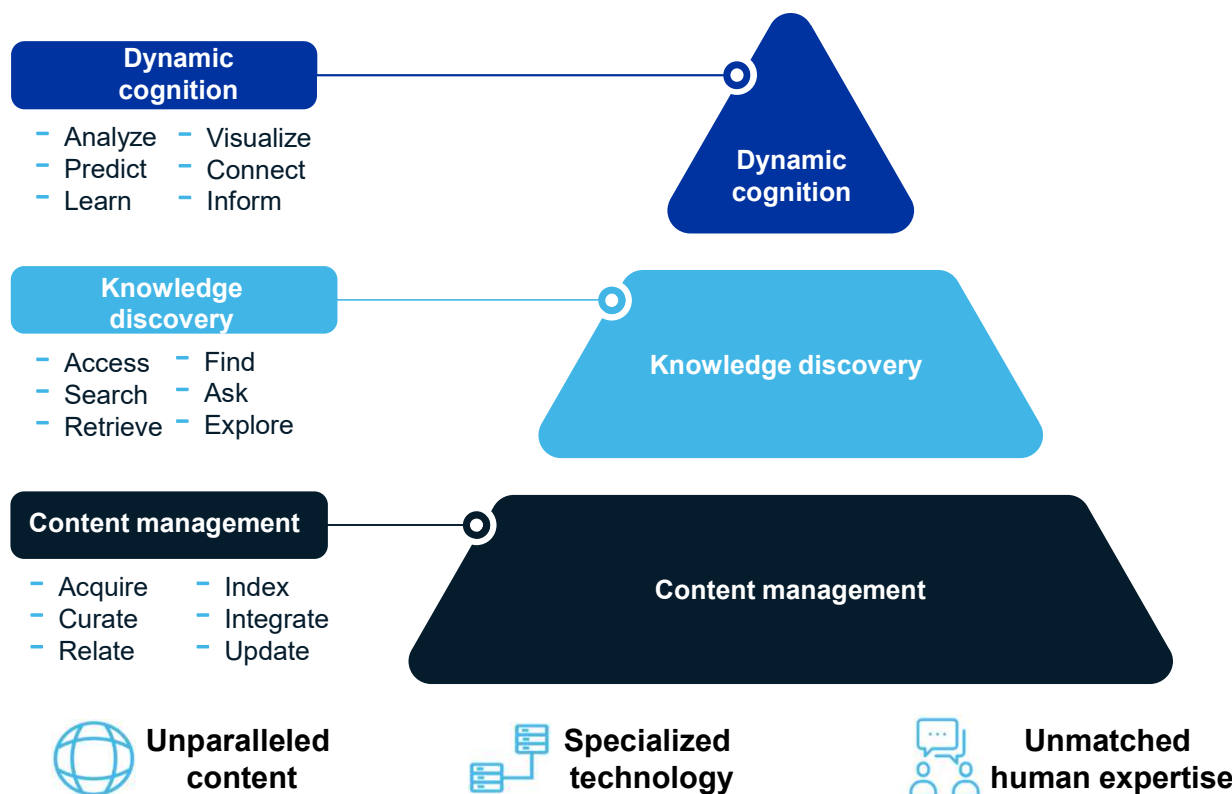
Our vision

Improving lives through the transforming power of science

Over
50K
scientific journals and documents

Over
50
languages

Over
250
million substances

109
patent offices

ACTIVE PHARMA INGREDIENT   COSMETIC FORMULATIONS

INFRARED DATA   ANALYTICAL METHODS PROTOCOLS   GLOBAL REGULATIONS   SPECTRAL DATA

STRUCTURES   REACTIONS   PHARMACOLOGY / TOXICOLOGY   PROCESSES

STRUCTURE-ACTIVITY-RELATIONSHIP   PROPERTIES   IP CLAIMS   INGREDIENT FUNCTIONS

DNA / RNA SEQUENCES   MARKUSH   DISEASES   UVCB SUBSTANCES

NMR DATA   FORMULATIONS   CELL LINES / TYPES   POLYMER PROPERTIES

MASS SPEC DATA   BIOMOLECULE ISOLATION   AGRICULTURE FORMULATIONS

TARGETS

PROTOCOLS   ORGANOMETALLICS / INORGANICS   BIOASSAYS

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Our unique core competencies and assets

We address common information opportunities and challenges hampering innovation today

Dynamic cognition
- Analyze
- Predict
- Learn
- Visualize
- Connect
- Inform

Dynamic cognition

Knowledge discovery
- Access
- Search
- Retrieve
- Find
- Ask
- Explore

Knowledge discovery

Content management
- Acquire
- Curate
- Relate
- Index
- Integrate
- Update

Content management

Unparalleled content

Specialized technology

Unmatched human expertise

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CAS SciFinder Discovery Platform for Academics

Informing and enhancing the foundational scientific pursuits in Academia

CAS SciFinder Discovery Platform™
CAS SciFinder
CAS Life Science Data
CAS Formulus®
CAS Analytical Methods™
ChemZent®

Covered areas include:
- Pharmacology
- Food and feed chemistry
- Fertilisers/plant nutrition
- Organic synthesis
- Proteins
- Polymers
- Textiles
- Fuels
- Building materials
- Pollution/environmental
- Cosmetics
- Nuclear technology
- Particle physics
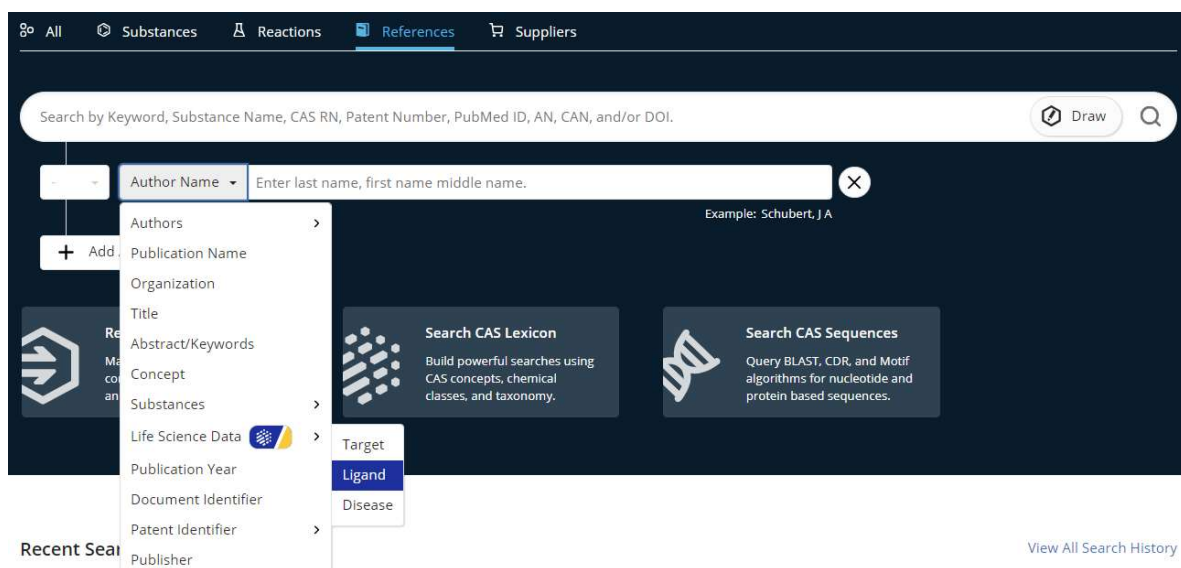
CAS SciFinder Discovery Platform Life Science Content

Comprehensive bioactivity data to study how molecules interact with biological systems

Assists advancement of biologically active discoveries

Increase knowledge and insights into product development lifecycle

Offers better design and facilitation of research programs

Extensive collection
More than 45 million bioactivity measurements and 90,000 defined targets across more than 10 million unique substances

Critical information
The data required for running analyses of SAR, ADME, and toxicology to understand the effect of a molecule on a target

Intuitive search
Extensive filtering options and a tabular display with overview of ligand structure, pharmacological parameters, and assay details

Medicinal Chemistry, Biology, Biochemistry, Pharmacy, Veterinary Sciences, Forensic Science, Agriculture, Food Science

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CAS SciFinder Discovery Platform

A Look Back at continuous improvement

Chemistry AI elevation in Retrosynthesis
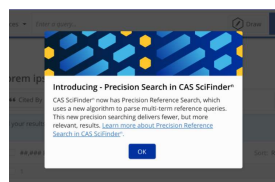
Search enhancements
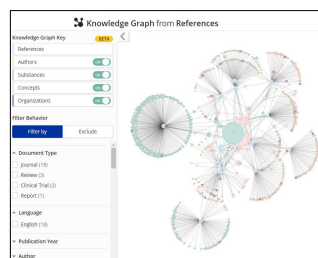
Visualization/decision support with Knowledge Graph

Life Science content expansion
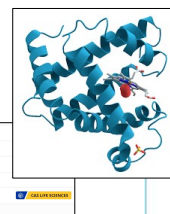
Introduction of Projects in CAS SciFinder
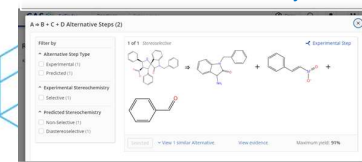
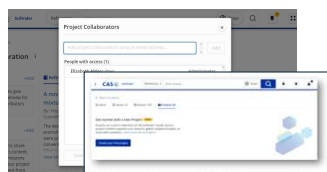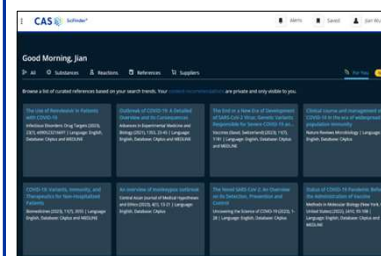**2022**   **2023**   **2024**
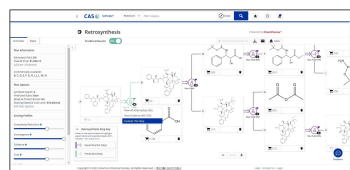
Retrosynthesis interaction enhancements

Workflow expansion with enhanced collaboration

Recommendations via AI

Personalized recommendations via AI

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CAS SciFinder Discovery Platform

What's coming in 2025 – Next Gen Searching

https://www.cas.org/solutions/cas-scifinder-discovery-platform/cas-scifinder/upcoming-enhancements#workflows

Live Session

CAS BioFinder Discovery Platform

Combined analytical and predictive tools with detailed and curated data on biomolecules, protein targets, antibodies, disease, biomarkers and related literature crucial for drug discovery

Designed for researchers in:

- Medicinal Chemistry

- Pharmacology

- Drug Discovery/Medicines Discovery Institutes

- Disease Research Institutes

- Drug Safety Centres

Interested? Demonstrations and free 60-day pilots

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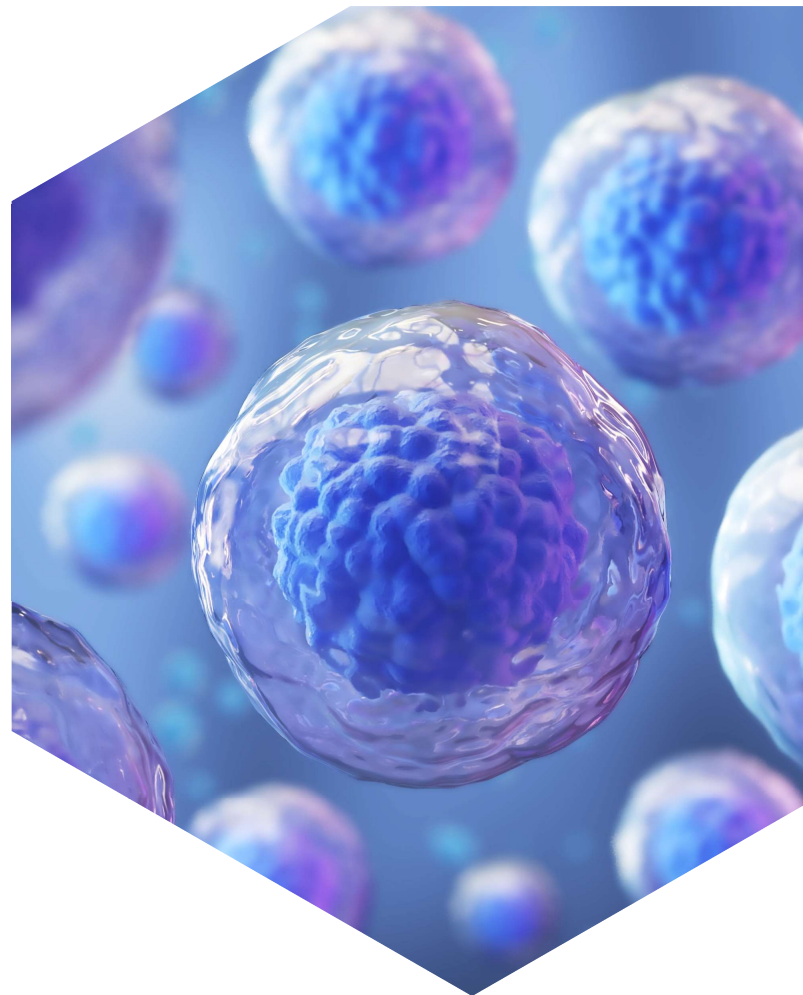
Supporting you

Single-Sign On

- Improves accessibility especially off-campus

- As a member of InCommon, CAS can directly obtained required metadata URL from eduGain utilising the InCommon Identity Provider

Customer Centre: support with issues, 'Scientists helping Scientists', set-up or access, search strategies

Academic Resource Centre:

https://www.cas.org/academic-key-contact-resource-center

Includes how to list CAS SciFinder on library website

Resources

- Home
- Promotional
- Training
- FAQ
- Preview release notes

As an influencer of students and other scientific users at your institution, it is important to you that your community is aware of all the tools available to them. This includes helping them understand what they can achieve by using solutions such as CAS SciFinder. Our goal with this Resource Center is to provide you with an ever-growing number of resources to help you achieve this goal.

When you select the navigation items on the left, you will find documents, links, and more that you can copy, download, or print to share with your community, as well as answers to some frequently asked questions.
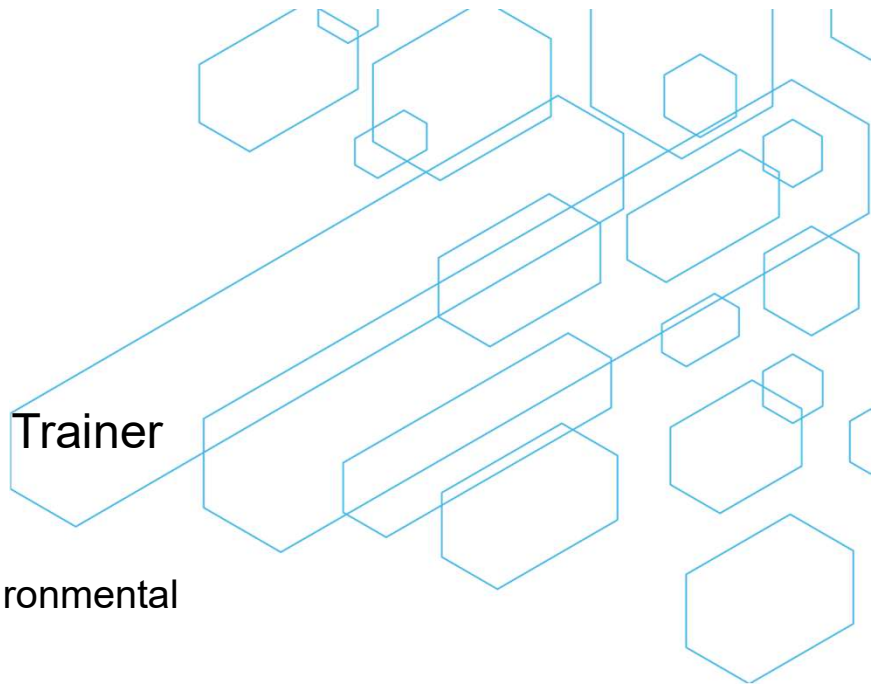
If you have suggestions or feedback related to the available materials, additional ideas, or questions about anything found within this Resource Center, please reach out to us at

Opportunities: CAS Future Leaders, ACS on campus, ACS Student Chapters, Research Grants etc.

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CAS Training

From onboarding to advanced search support

- Online or In-person

- Undergraduate, Postgraduate, Advanced, Train the Trainer

- Specific subject focus

  - Academic subject focus e.g. Polymers, Drug Discovery, Environmental Science, Geosciences, Organic/Inorganic Chemistry

  - 'How to write your Thesis with CAS SciFinder

  - 'Job Hunting using CAS SciFinder'

- Recorded videos & Webinars

  - https://www.cas.org/cas-webinars

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CAS COUNTER

Roadmap to compliance

Began COUNTER project in CAS Identify requirements and current capabilities	Release CAS COUNTER Custom Report Not fully COUNTER Compliant	Deliver COUNTER reports *via* new Customer Portal Begin Audit phase to become fully COUNTER compliant
Late 2024	April 2025	Late 2026*

*Timeline is subject to potential delays with concurrent implementation of new Customer Portal Technology and COUNTER audit process.

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THANK YOU

Any questions?

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