

CAS SciFinder Discovery Platform™

INNOVATE WITH CONFIDENCE

CAS accelerates breakthroughs

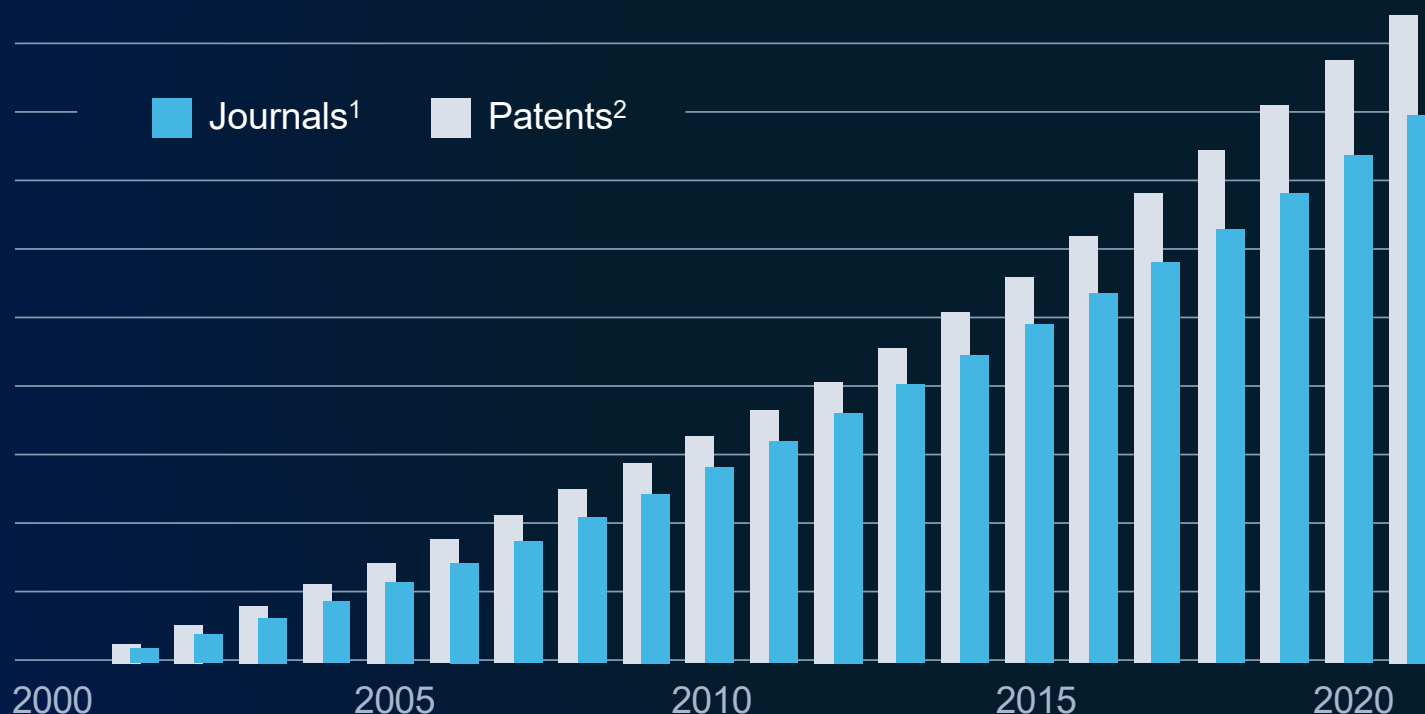
At CAS, our passion is advancing scientific progress.

As a specialist in scientific knowledge management, we are proud to partner with innovators across industries, enabling them to maximize the power of connected scientific information to get from inspiration to innovation faster.



The volume and complexity of scientific information is escalating exponentially

Growth of published science last 20 years



HIGH VOLUME

Limits holistic perspective

LACK OF CONSISTENCY

Hinders effective analysis

POOR COMPATIBILITY

Reduces digitalization ROI

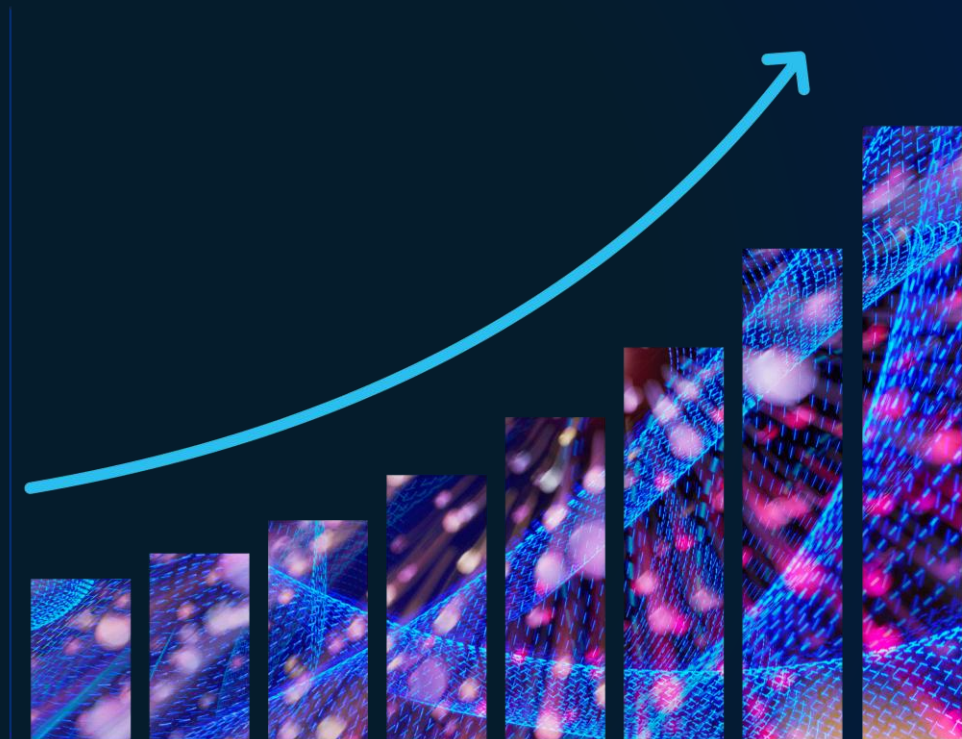
1. Hanson, Mark & Gomez Barreiro, Pablo & Crosetto, Paolo; Brockington, Dan. (2023). The strain on scientific publishing. 10.48550/arXiv.2309.15884

2. WIPO statistics database. Last updated: November 2023

Why is this so difficult?

Scientific data complexity has outpaced the market's ability to act on it

- 1 Scientific data is very diverse and complex
- 2 Science is growing and evolving rapidly
- 3 Requires core competencies that R&D companies aren't built for
- 4 Scientists are trained to be skeptical
- 5 Unreasonable expectations



Through 2025, over 3.4 million scientific papers were published worldwide annually — a pace of knowledge production never seen before.
(Source: *thehonores.com*)

CAS is a trusted partner

To innovation leaders across industries



TOP 25
LIFE SCIENCES
COMPANIES¹



TOP 25
CHEMICAL
COMPANIES²



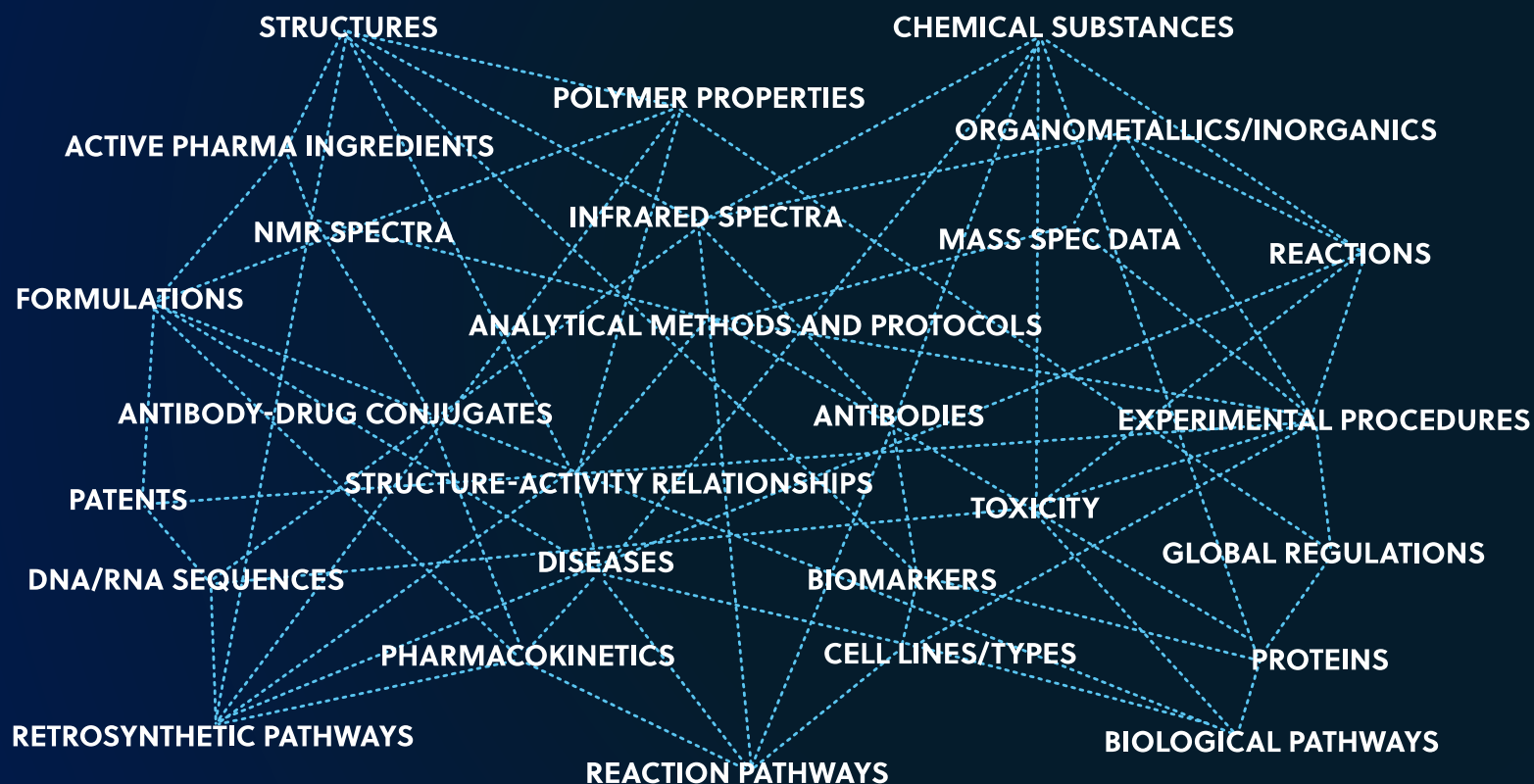
TOP 25
UNIVERSITIES³



TOP 10
GLOBAL PATENT
OFFICES⁴

1. <https://www.pharmexec.com/view/2024-pharm-exec-top-50-companies>
2. <https://www.chemanalyst.com/ChemAnalyst/ChemicalManufacturers>
3. <https://www.shanghairanking.com/rankings/gras/2024/RS0103>
4. <https://www.wipo.int/edocs/pubdocs/en/wipo-pub-941-2023-en-world-intellectual-property-indicators-2023.pdf>

CAS connects you to the world's published science for better insights



Over
60K
scientific journals
and documents

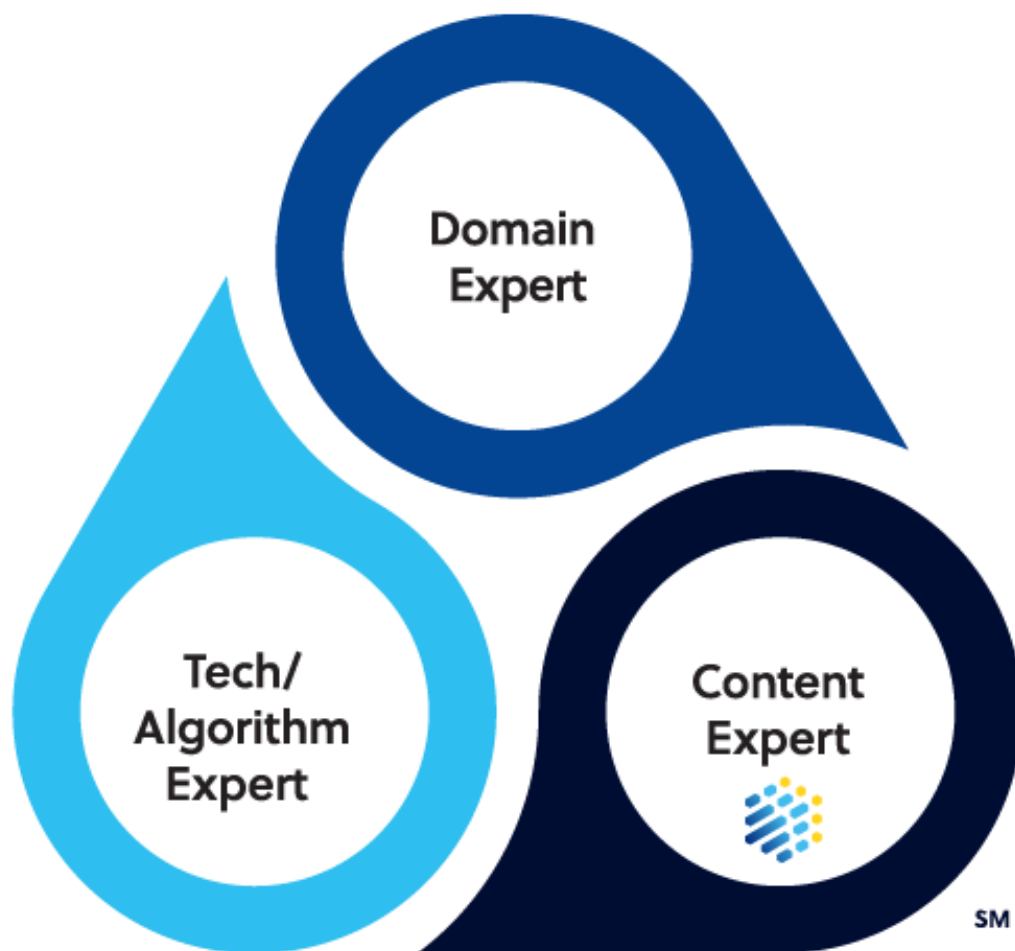
Over
300
million
substances

Over
50
languages
translated

110
patent offices
worldwide

Effective partnering for AI solutions

Developing AI-driven solutions requires the “Triangle for Success”



Domain Expert

Deep understanding of the segment and/or science—
Competence in processes and workflow throughout
pipeline – Brings expertise as well as real-world data

Tech/Algorithm Expert

Strong capability in a variety of mathematical and
computational approaches for inference and prediction –
Brings expertise as well as uniquely developed technologies

Content Expert

Skilled in data modeling, harmonization and authorization
from a scientific and technical perspective— Brings
expertise, a corpus of literature-reported scientific
information, and technologies for data management

Partner with CAS to power your innovation strategy

Evolving our capabilities to enable success
anywhere in your dynamic ecosystem

Platform solutions

- **CAS NewtonSM**
- CAS SciFinder[®]
- CAS BioFinder[®]
- CAS IP Finder[™]

Custom data solutions

- Data licensing
- Data curation

Workflow integration

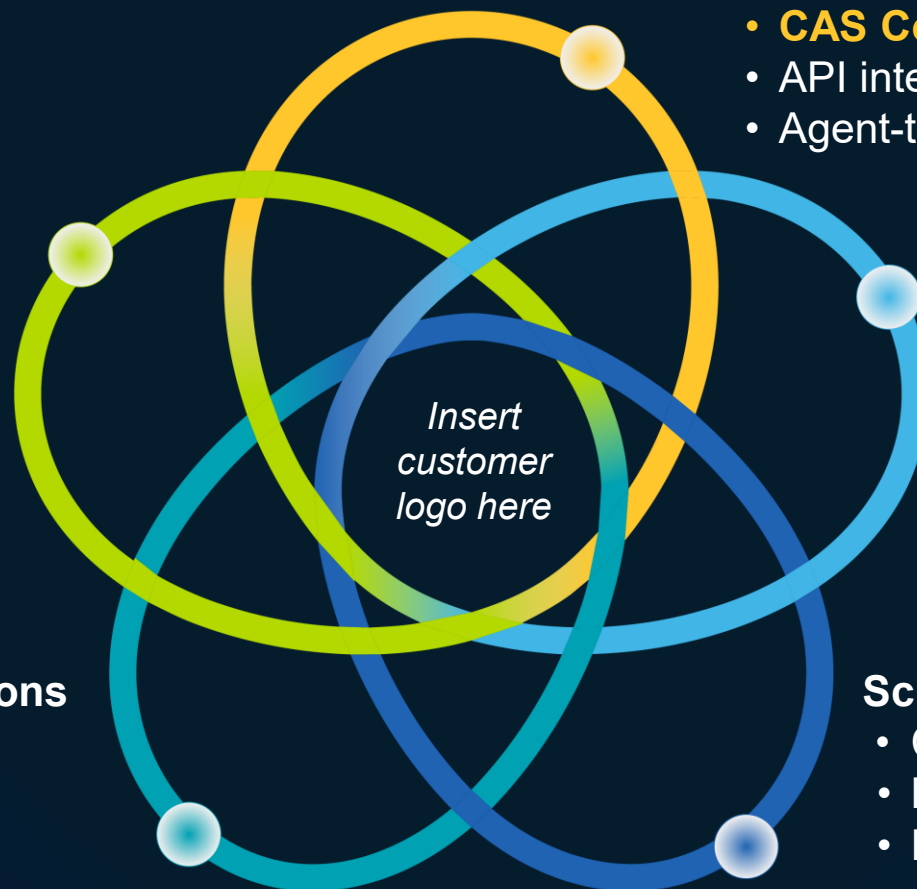
- **CAS Connections**
- API integration
- Agent-to-agent interaction

Consulting

- Data digitization
- AI model training
- Knowledge system design

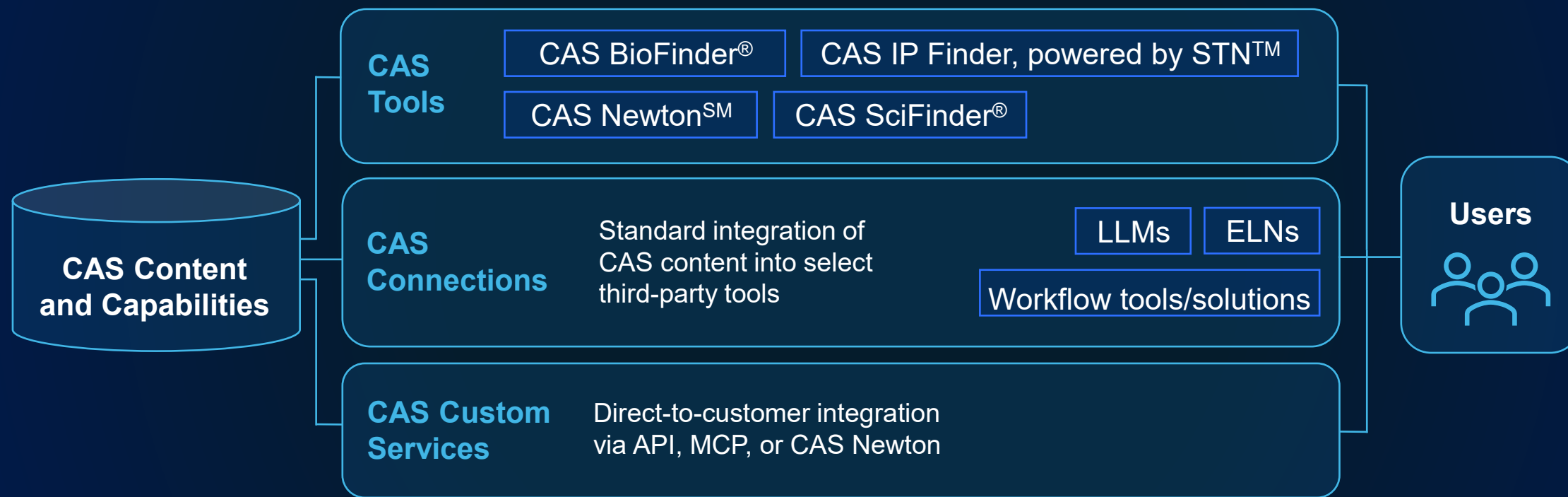
Scientific data management

- CAS Intelligence HubSM
- Managed data environment
- Expert data harmonization



CAS data: anywhere you need it

Support your unique workflow and project needs with integrated access to CAS content, capabilities, and CAS Newton



THE IMPACT



Remove barriers



Deepen scientific insight



Accelerate discovery

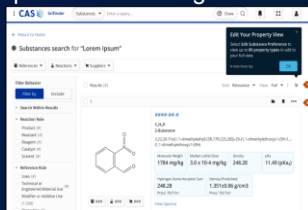


Boost R&D efficiency



Next gen SciFinder is delivering more value than ever

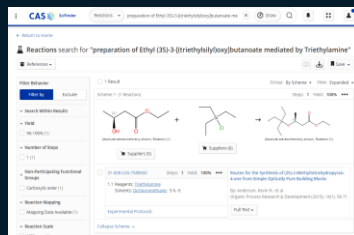
Personalized product experiences and in-product marketing



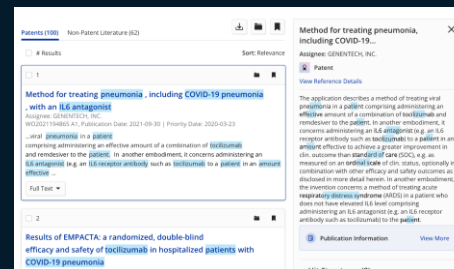
Chemistry AI elevation in Retrosynthesis



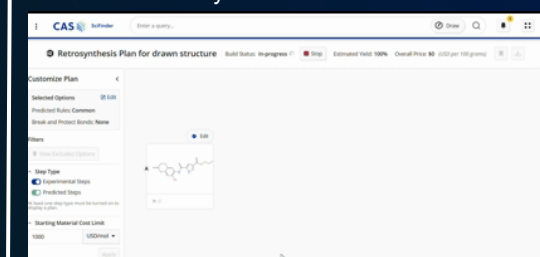
Natural language search support in reactions



IP Connections



Interactive Retrosynthesis

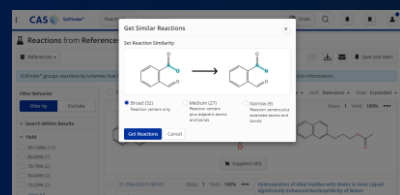


2024

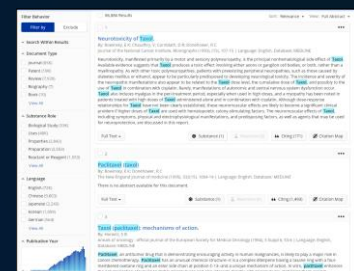
2025

2026

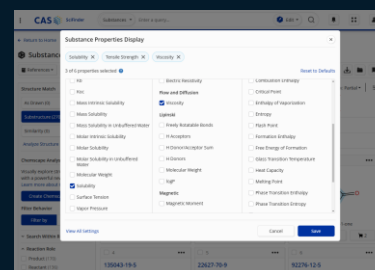
Get similar reactions



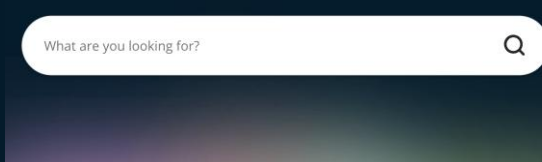
Personalized result management



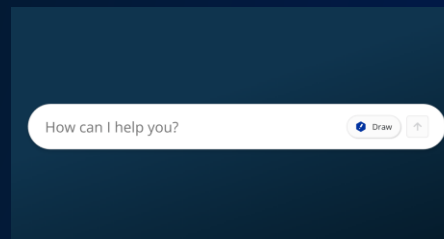
Customized substance result display



SearchSense

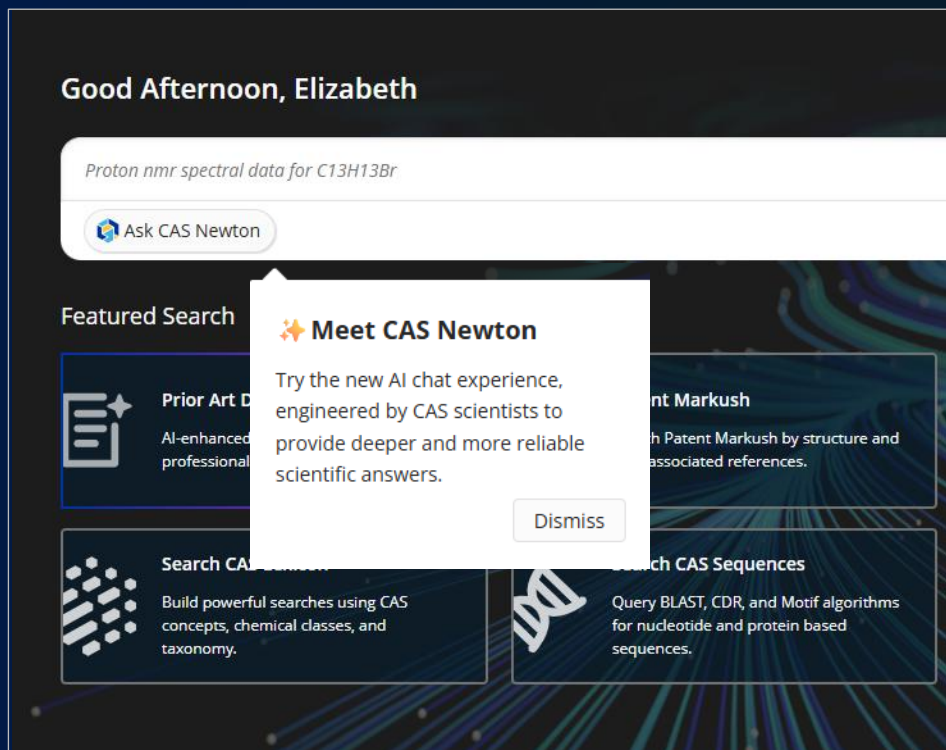


CAS Newton agentic search



CAS Newton

Combining scientific information, expertise and tools to accelerate discovery



CAS NewtonSM is agentic AI optimized for scientific discovery. Leveraging domain-specific agents and over 150 years of scientist-curated data, CAS Newton provides the scientific rigor researchers can trust to accelerate progress across R&D workflows.

CAS Newton does not just retrieve information. It reasons through it, connects it, and returns answers you can act on immediately.

What does CAS Newton do?

Autonomous search

Move through research stages with minimal manual input.

Cross-discipline research

Connect findings across chemistry, biology, and more.

Data mining and analysis

Crawl massive data sets to find relevant information quickly.

Science-smart results

An AI research assistant grounded in validated scientific process.

Verifiable answers

Trace results back to authoritative, peer-reviewed sources.

Analytical insights

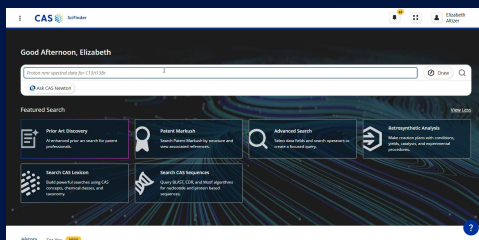
Analysis that helps you steer your research in the right direction.

CAS Newton is available to users of CAS SciFinder[®], CAS BioFinder[®], and CAS IP Finder, powered by STN[™].

CAS SciFinder 2026 Priorities

Expanding CAS Newton

Target: Q3-4

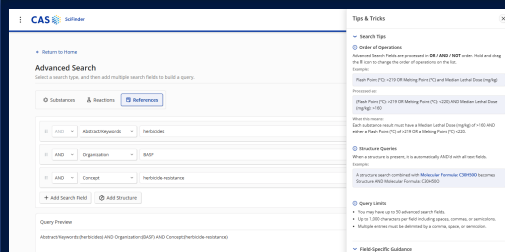


Extending Access to the full Discovery Platform

Scientific coverage will be expanded to cover user investigations ranging from simple synthesis to complex, end-to-end planning

“Expert Mode”

Target: Q3

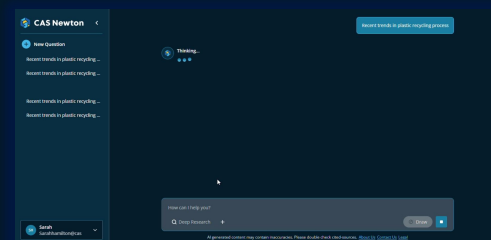


Unlock powerful search capabilities with a query builder designed for expert-level control and customization

Never miss a critical update – enhanced alerting keeps you informed with precision and speed

Deep Research

Target: Q4

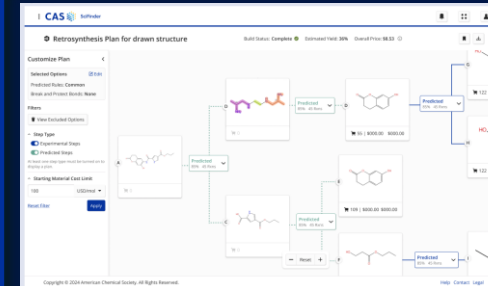


Transform any research question into a comprehensive, citation-rich scientific report in minutes

Discover what matters most with intelligent, personalized recommendations

Differentiating the core

Target: Q4



Stop guessing which bond reacts – let CAS AI predict the chemistry before you run the reaction

Fewer wasted reactions, more first-try syntheses: regioselectivity and chemoselectivity turn retrosynthesis from possible to practical

CAS SciFinder 2026 Priorities

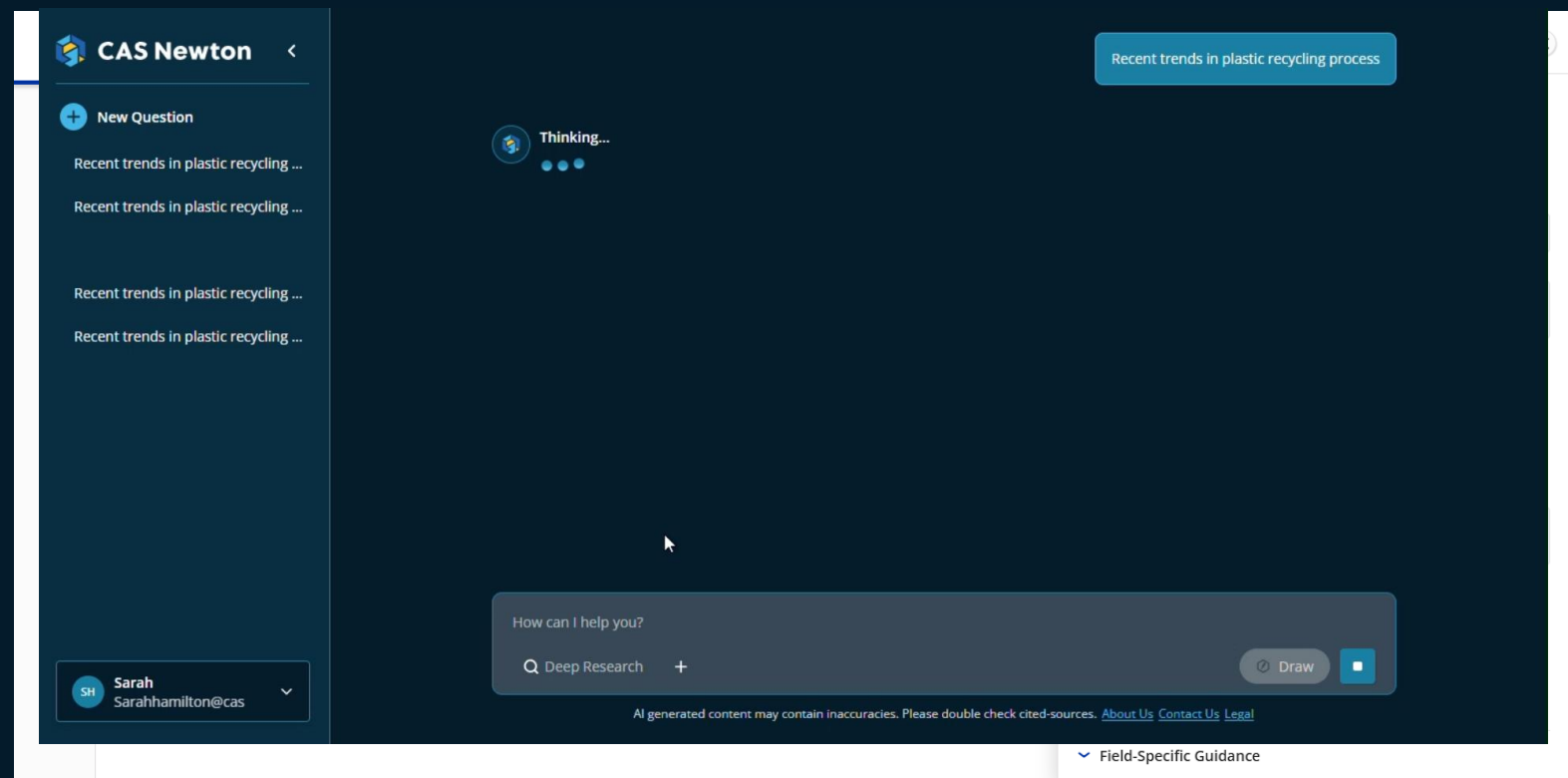
Expanding CAS Newton

Target: Q3-Q4

Built on CAS Content Collection™ and trained by CAS scientists

Complex, multi-domain scientific questions are answered for the first time

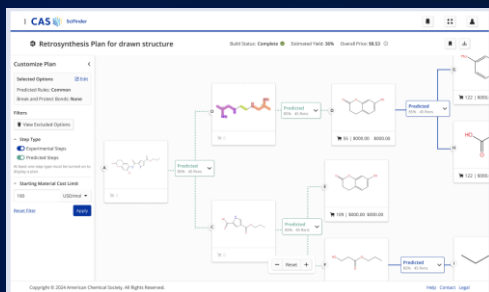
Tap into deep scientific logic and domain-specific knowledge to accelerate breakthroughs



CAS SciFinder 2026 Priorities

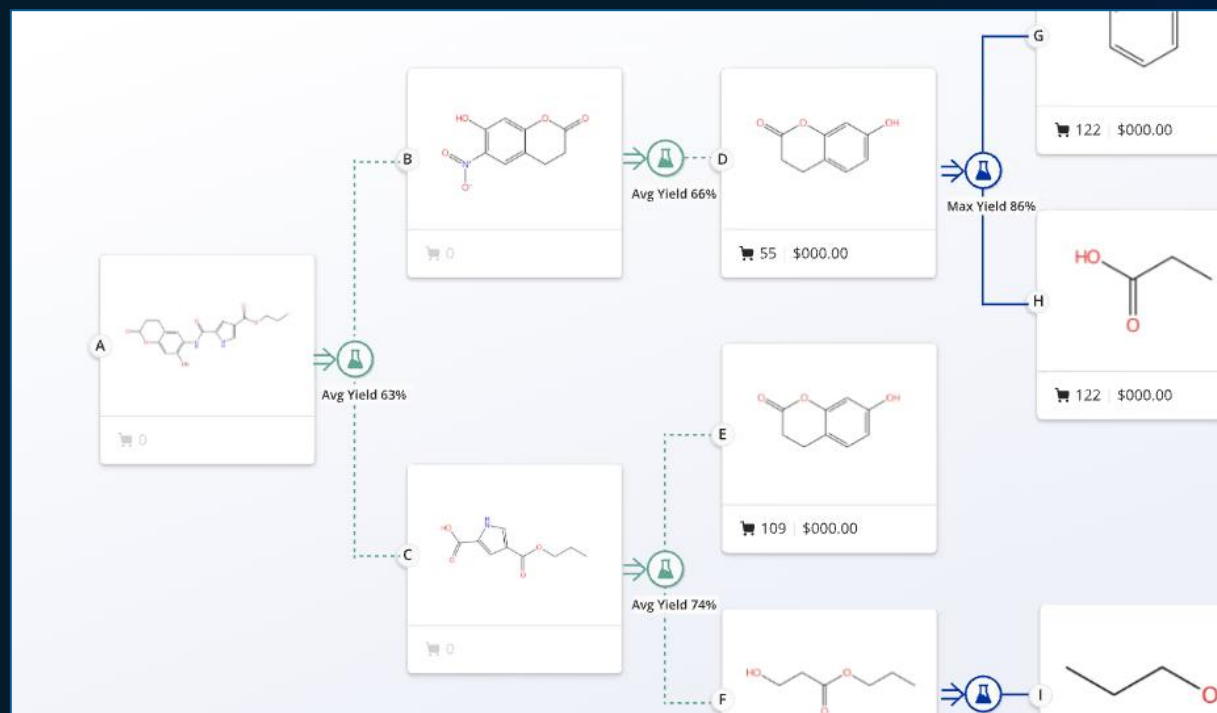
Differentiating the core

Target: Q4



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Fewer wasted reactions, more first-try syntheses: regioselectivity and chemoselectivity turn retrosynthesis from possible to practical



How Newton grew in a year

◆ Newton release in BioFinder

◆ Newton release in SciFinder

◆ Newton release in IP Finder

Oct – Dec

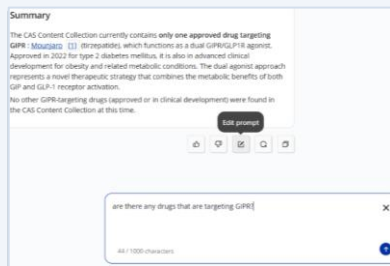
Dec – Mar

Mar – May

May – July

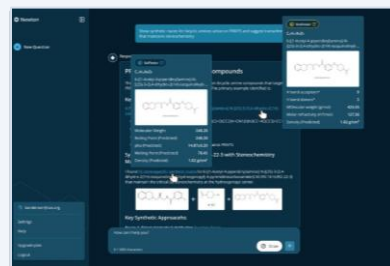
Agentic foundations

- Response formatting enhancements
- Export tools
- Gatekeeper enhancements
- Monitoring



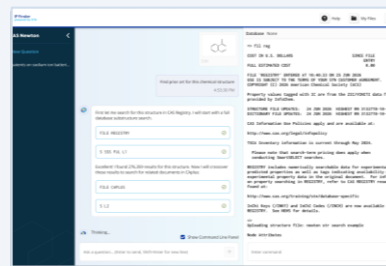
Multi-domain handling

- Biology
- Chemistry
- IP



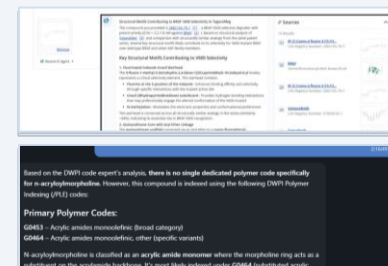
Toolkit expansion

- Structure Search Agent
- Sequence search
- Deep linking
- Literature review agent



Workflow Optimizations

- Derwent Code Searching
- Patent Assignee and Ultimate Owner



Retrosynthesis

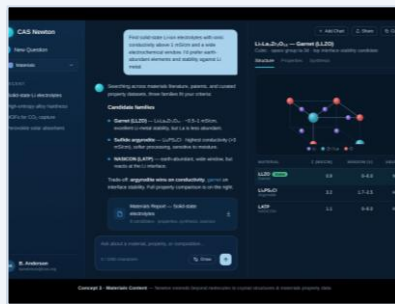
- Predicted synthetic routes



CAS Newton Next 6 Months

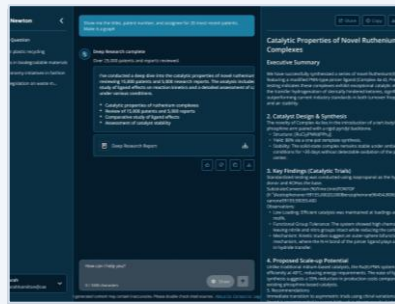
Content domain expansion

- Formulations
- Regulatory
- Sequence Search
- CAS Bioactivity



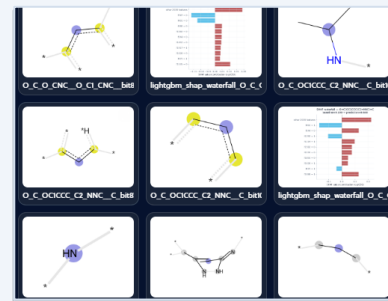
Deep research

- Extended thinking and reasoning
- Search transcript



Toolkit expansion

- QSAR agent
- Predictive analytics
- Skills and content domains coverage
- Text to Structure



Data analytics

- Table generation
- Export to Excel
- Import data
- Graphs / images



Thank you

Presenter's name

Presenter's title

Presenter's contact info

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