

CAS LIFE SCIENCES

UNMATCHED EXPERTISE UNPARALLELED BREADTH RELIABLE INSIGHTS

Your insights powered by our data

Your scientific breakthroughs depend on the output of your AI and data modeling tools, which require a large amount of well-managed data. At CAS, we combine technological power with scientific expertise to create reliable content that fuels scientific discovery and innovation.

We integrate the most current data from journals, patents, and other sources to provide a comprehensive view of life sciences information, bridging gaps between biological and pharmacological datasets. Our scientists then manually analyze, correct, standardize, and curate critical information that leads to new advancements.

This effort has resulted in the largest and most reliable human-curated collection of scientific data in the world, the CAS Content Collection™, which now includes life sciences data essential for drug discovery research.

Comprehensive and trusted



CAS scientists hand-process documents in more than 50 languages.



Our scientists leverage their expertise in fields such as drugs, pharmacology, toxicology, immunology, biochemistry, molecular biology, genetics, metabolites, microbiomes, omics, and more to help you drive innovative research and solutions.



We curate more data from the most prestigious journals in life sciences, medicinal chemistry, and biochemistry, as well as from global patent offices and existing databases, than any other provider.

Challenges and opportunities in creating authority constructs for life sciences

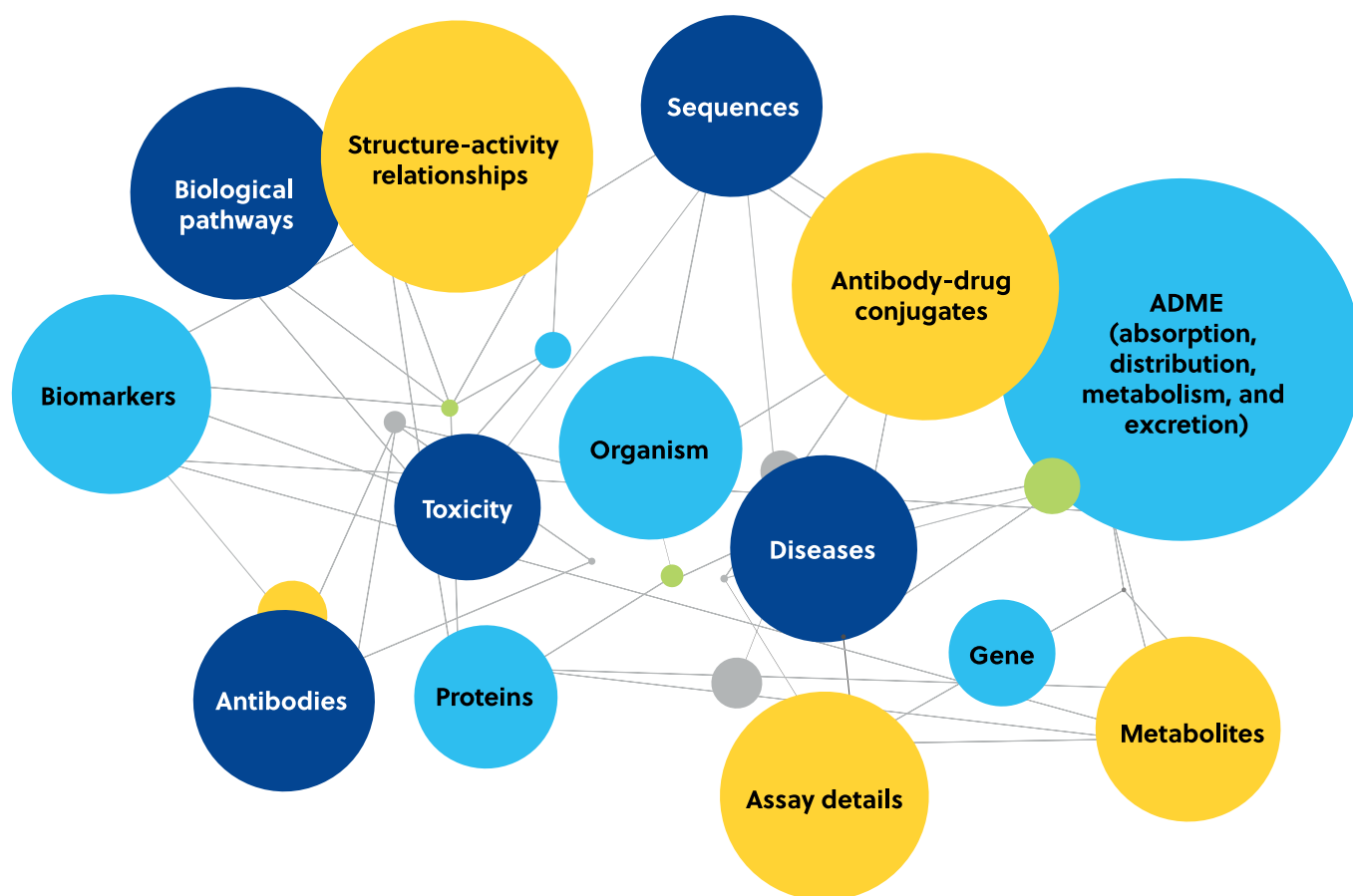
Learn how CAS data scientists create unique identifiers and authoritative ontologies to connect unorganized data types.

link.cas.org/authority

Not just the most data, but also the most accurate

We harmonize, organize, and standardize data from thousands of life sciences journals, nearly 100 global patent offices, and all leading free and third-party databases.

By benchmarking against this variety of data sources, CAS scientists ensure that the CAS Content Collection includes everything you expect from your existing data—integrated into a single, standardized resource for quick and accurate searching.



Data enhanced through connections

Unlike a standard scientific data aggregator, our scientists take additional steps to enrich data by revealing unique connections. To ensure these connections are consistent and reliable, we've created structured authorities that form the foundation for harmonizing and normalizing content with clear identifiers.

In addition to the trusted CAS REGISTRY®, the world's authority for chemical substance information, we've created authorities for proteins, genes, diseases, and organisms. This structure helps many scientists make discoveries they weren't even expecting.

Learn how CAS life sciences data can advance your next drug discovery breakthrough.

link.cas.org/life-sciences-data