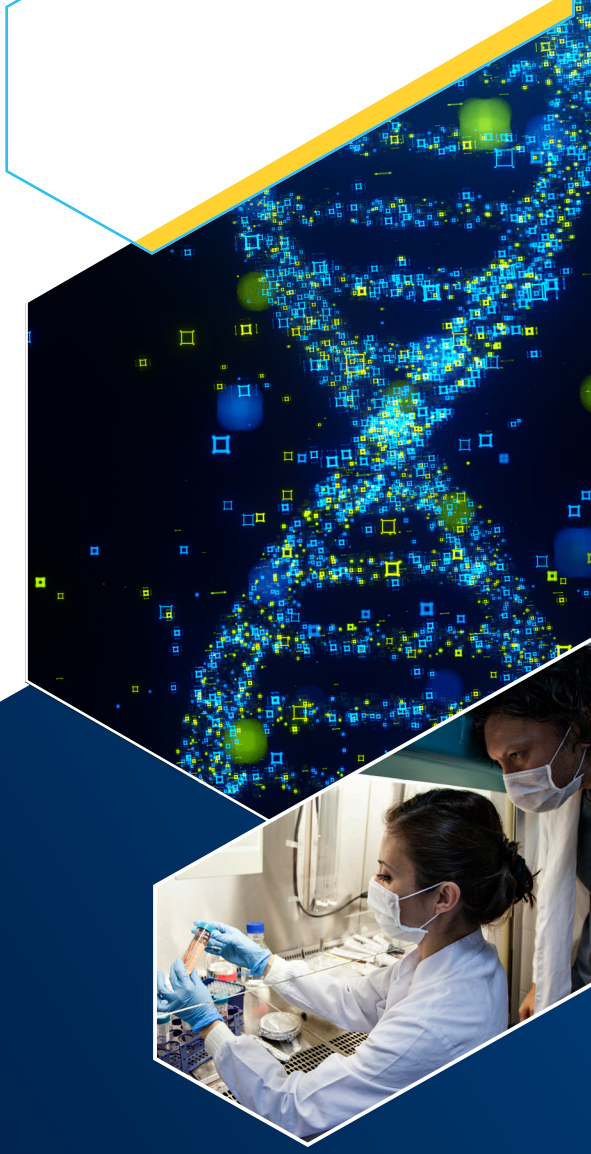
CAS BIOFINDER DISCOVERY PLATFORM™

ADVANCE MEDICINAL CHEMISTRY BREAKTHROUGHS

Drug discovery demands rapid access to high-quality, comprehensive data to help medicinal chemists make informed decisions and advance therapeutic candidates confidently.

CAS BioFinder™ centralizes and connects drug discovery-relevant information, providing you with actionable insights to accelerate lead optimization and bring life-changing drugs to patients faster.



Your trusted source for drug discovery data

Leverage global biology and chemistry data faster than ever without second-guessing accuracy or reliability. CAS BioFinder integrates information from thousands of top life sciences journals and nearly a hundred global patent offices. You can be confident you're getting the most accurate and well-connected data available through a combination of technology and manual scientific curation.

Reliable bioactivity data
CAS BioFinder provides easy access to curated, normalized, and indexed bioactivity data to accelerate identifying key associations and optimizing compounds.

Proven connections
The data foundation of CAS BioFinder allows you to visually explore relationships between modalities, diseases, protein targets, and biomarkers, helping empower your research process.

Scaffold exploration
CAS BioFinder enables you to build upon earlier research by scaffold hopping with defined functional groups present at each position to better estimate safety and efficacy properties.

Predictive insights
Beyond published data, CAS BioFinder generates predicted activity data for novel compounds to help you anticipate interactions for more confident lead selection and optimization.

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American Chemical Society

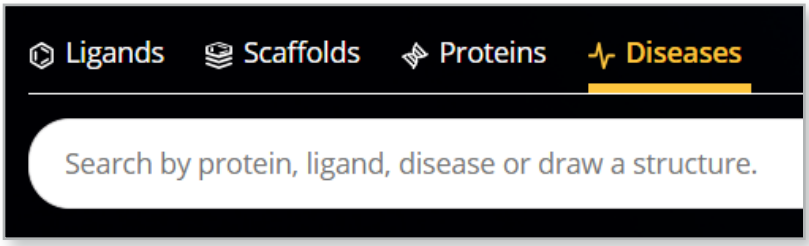
A catalyst for precision drug design

Seamless workflow integration

CAS BioFinder directly integrates into CAS SciFinder®, enabling fast cross-referencing of chemical data, retrosynthesis pathways, and molecular properties through the solution you are already accustomed to using. CAS BioFinder builds upon these capabilities with additional data and visualizations specific to medicinal chemistry and drug discovery.

Targeted searching

Simply type keywords or draw structures to access key, comprehensive data and uncover critical drug discovery insights in seconds. You can search by disease, ligand, protein, or drawn structure and explore results in related diseases, ligands, proteins, or scaffolds.



Relationship exploration

Review detailed breakdowns of diseases, pathways, targets, and ligand relationships to find new drug development opportunities. Explore known and predicted interactions between molecules, targets, scaffolds, and diseases.

Confidence-building predictions

Leverage built-in prediction models and AI-driven analytics to forecast hidden interactions and mitigate safety risks. With known or novel molecules, you can:

- Predict bioactivity to assess potency, efficacy, and selectivity.
- Identify off-target interactions to minimize safety risks.
- Analyze ligand-target interactions to refine lead selection.

Learn more about how CAS BioFinder can advance your medicinal chemistry workflows at **cas.org.**

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