

**Accelerating your
Research**

SciFinderⁿ

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CAS

A division of the
American Chemical Society



CAS Mission: CAS supports the vision of the American Chemical Society (ACS)

- Curating the highest quality scientific content
- Includes Medline

All areas of **biochemistry**

- Food Chemistry
- Biochemical genetics
- Fermentation
- Immunochemistry
- Pharmacology

All areas of **organic chemistry**

- Amino acids
- Biomolecules
- Carbohydrates
- Organometallic compounds
- Steroids

All areas of **applied chemistry**

- Air pollution
- Ceramics
- Energy
- Waste/Water treatment
- Ferrous metals, alloys

All areas of **macromolecular chemistry**

- Cellulose, lignin, paper
- Coatings, inks
- Dyes, organic pigments
- Synthetic elastomers
- Textiles, fibers

All areas of **physical, inorganic, analytical chemistry**

- Surface chemistry
- Catalysts
- Phase equilibrium
- Nuclear/Electric phenomena
- Electrochemistry



ACS
Chemistry for Life®



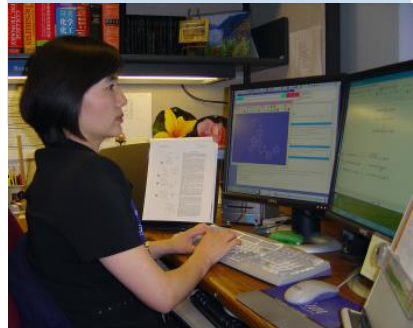
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CAS scientists analyze, summarize and make scientific information accessible to colleagues worldwide

Source
Selection



Document
Indexing



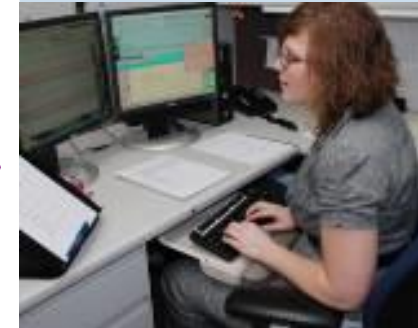
Reaction
Indexing



Markush
Indexing



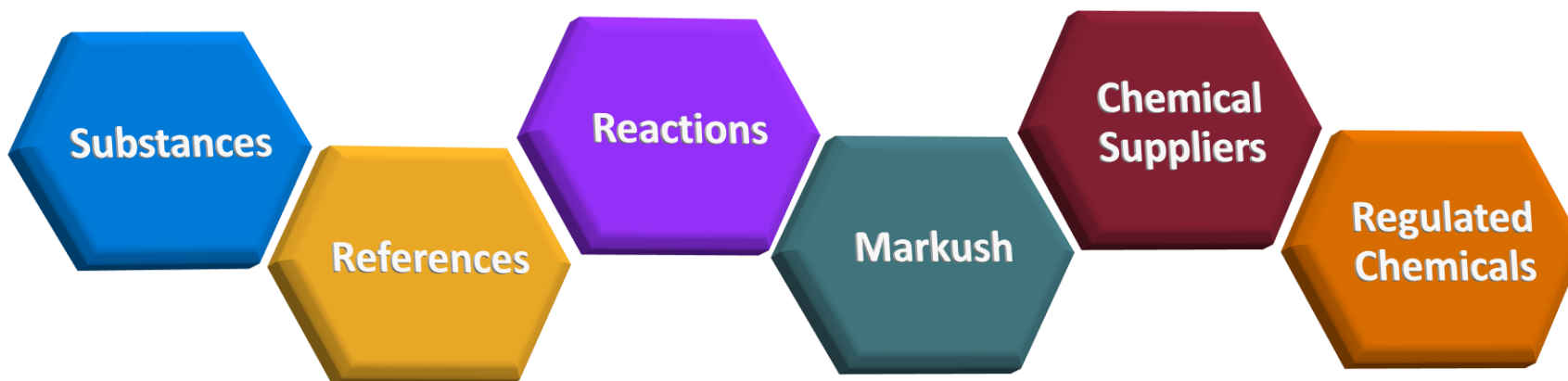
Authority
Processing



Proprietary, standardized indexing in CAS databases ensures consistent, comprehensive search results.

INTRODUCING A WHOLE NEW CALIBER OF CHEMICAL INTELLIGENCE

CAS  SciFinderⁿ



More than “hits”... **UNLOCK INSPIRATION** for your next **BIG RESEARCH PROJECT!**

What's new in SciFinderⁿ

Reference Searching

- Relevance ranking
- Use of Boolean operators, truncation symbol * and exact phrase search “”
- New filter options e.g. Concepts, Substance role, CA Section, Formulation purpose
- Merged duplicate CAPIus and Medline documents
- PatentPak
- Citation Map
- Option to combine up to 50 different search fields in one search
- Option to search in Text, Abstract or Concepts only
- Combine keyword and structure search
- IPC data added for patent references
- Excel format available for exporting of results

What's new in SciFinderⁿ

Substance Searching

- One search to find exact, substructure and similarity hits
- Option to use patent number to retrieve substances indexed in a patent
- Use of “” and truncation symbol in substance search by text
- New filter options e.g. number of components, availability of experimental properties and spectra
- Chemscape Analysis
- New markush search results display
- Second drawing editor available, Chemdoodle
- Ability to search for D and T and other isotopes
- Option to search by NMR Chemical shifts.
- Option to combine up to 50 search fields in a single search
- Substance search now searches in Notes section as well
- Chemical structures in can be downloaded as .mol, .sdf or smiles strings

What's new in SciFinderⁿ

Reaction Searching

- Reaction searching by text
- Grouping of reactions by scheme
- Synthetic Methods
- New filter options e.g. Reaction notes
- Retrosynthesis Planner

What's new in SciFinderⁿ

Other functions

- All search and Supplier search option
- Interactive search history saved automatically
- Auto word suggestion for search queries except All search
- Combine function is found in the saved folder
- Option to save search strategy with filters applied
- Search in multiple tabs
- Biosequence search