

# SciFinder<sup>®</sup> Quick Start Guide



# SciFinder® - The choice for chemistry research.™

Only SciFinder provides researchers with unlimited access to the world's largest and most reliable collection of chemistry and related scientific information.

The following pages will introduce you to basic SciFinder search options and get you on your way to searching the largest collection of substances, reactions, and patent and journal references. For more information about using SciFinder to advance your research, training materials are available at <http://www.cas.org/training/scifinder>.





## Quick Start to Exploring References

SciFinder®

Explore | Saved Searches | SciPlanner

REFERENCES

- Research Topic
- Author Name
- Company Name
- Document Identifier
- Journal
- Patent
- Tags

1

SUBSTANCES

- Chemical Structure
- Markush
- Molecular Formula
- Property
- Substance Identifier

REACTIONS

- Reaction Structure

REFERENCES: RESEARCH TOPIC ?

synthesis of epibatidine analogs

Examples:  
The effect of antibiotic residues on dairy products  
Photocyanation of aromatic compounds

Search

2

Advanced Search

More than 10,000 active journals

63 patent authorities

SAVED ANSWER SETS ?

- conversion of methane to syngas
- IBMs new class of polymers
- PVC Polymer Exact Str Search
- Arylketone synthesis final answer set
- Arylketone search

View All | Import

KEEP ME POSTED ?

- Cristiano get citings KMP
- Oct 18, 2014(1)
- Sep 27, 2014(1)
- Sep 20, 2014(1)

View All

1. Explore References by selecting one of the following options:

- Research Topic
- Author Name
- Company Name
- Document Identifier
- Journal
- Patent
- Tags

2. Advanced Search allows you to filter by:

- Publication Year
- Document Type
- Language
- Author
- Company

For more information about using SciFinder to advance your research, training materials are available online at <http://www.cas.org/training/scifinder>.



SciFinder®

The choice for chemistry research.™



## Quick Start to Exploring Substances

SciFinder®

More than 90 million organic and inorganic substances

Explore ▾ Saved Searches ▾ SciPlanner

REFERENCES

- Research Topic
- Author Name
- Company Name
- Document Identifier
- Journal
- Patent
- Tags

**SUBSTANCES**

- Chemical Structure
- Markush
- Molecular Formula
- Property
- Substance Identifier

1

REACTIONS

- Reaction Structure

SUBSTANCES: CHEMICAL STRUCTURE ?

Structure Editor:

Java Non-Java

Click image to change structure or view detail.

Import CXF

Search

2

Advanced Search

Search Type:

- ☐ Exact Structure
- ☒ Substructure
- ☐ Similarity

☐ Show precision analysis

ChemDraw®

Launch a SciFinder substance or reaction search directly from ChemBioDraw Ultra 14. [Learn More](#)

SAVED ANSWER SETS ?

- conversion of methane to syngas
- IBMs new class of polymers
- PVC Polymer Exact Str Search
- Arylketone synthesis final answer set
- Arylketone search
- Antibacterial Coatings for Textiles (1624)

View All | Import

KEEP ME POSTED ?

- Cristiano get citings KMP
- Oct 18, 2014(1)
- Sep 27, 2014(1)
- Sep 20, 2014(1)

View All

1. The Explore Substances page allows you to search for substances and their experimental and predicted properties by:
  - Chemical Structure
  - Markush Structure
  - Molecular Formula
  - Property
  - Substance Identifier
2. Advanced Search allows you to filter your answers by:
  - Characteristics
  - Classes
  - Studies



## Quick Start to Exploring Reactions

More than 61 million single- and multi-step reactions from journals and patents

SciFinder®

Explore ▾ Saved Searches ▾ SciPlanner

REFERENCES

- Research Topic
- Author Name
- Company Name
- Document Identifier
- Journal
- Patent
- Tags

SUBSTANCES

- Chemical Structure
- Markush
- Molecular Formula
- Property
- Substance Identifier

REACTIONS

- Reaction Structure

REACTIONS: REACTION STRUCTURE ?

Structure Editor:

Java Non-Java

Click image to change structure or view detail.

Import CXF

Search

Advanced Search

Search Type:

- ☐ Allow variability only as specified
- ☒ Substructure

ChemDraw®

Launch a SciFinder substance or reaction search directly from ChemBioDraw Ultra 14. [Learn More](#)

SAVED ANSWER SETS ?

- conversion of methane to syngas
- IBMs new class of polymers
- PVC Polymer Exact Str Search
- Arylketone synthesis final answer set
- Arylketone search
- Antibacterial Coatings for Textiles (1624)

View All | Import

KEEP ME POSTED ?

- Cristiano get dibings KMP
- Oct 18, 2014(1)
- Sep 27, 2014(1)
- Sep 20, 2014(1)

View All

1. Explore single- and multi-step Reactions and experimental procedures.

2. Advanced Search allows you to filter your search by:

- Solvents
- Non-participating functional group(s)
- Number of steps
- Classifications
- Sources
- Publication year





## Quick Start to Saved Answer Sets and Keep Me Posted

The screenshot shows the SciFinder web interface. At the top, there's a navigation bar with 'Explore', 'Saved Searches', and 'SciPlanner'. A blue circular callout bubble says 'Stay on top of your research and ahead of your competitors'. The left sidebar has categories: REFERENCES (with sub-items: Research Topic, Author Name, Company Name, Document Identifier, Journal, Patent, Tags), SUBSTANCES (with sub-items: Chemical Structure, Markush, Molecular Formula, Property, Substance Identifier), and REACTIONS (with sub-item: Reaction Structure). The main content area is titled 'REFERENCES: RESEARCH TOPIC' and contains a search bar with the text 'synthesis of epibatidine analogs'. Below the search bar are examples: 'The effect of antibiotic residues on dairy products' and 'Photocyanation of aromatic compounds', a 'Search' button, and a link to 'Advanced Search'. On the right, there are two highlighted boxes. Box 1, 'SAVED ANSWER SETS', lists: 'conversion of methane to syngas', 'IBMs new class of polymers', 'PVC Polymer Exact Str Search', 'Arylketone synthesis final answer set', and 'Arylketone search', with 'View All | Import' links. Box 2, 'KEEP ME POSTED', lists: 'Cristiano get citings KMP', 'Oct 18, 2014(1)', 'Sep 27, 2014(1)', and 'Sep 20, 2014(1)', with a 'View All' link.

Stay on top of your research and ahead of your competitors

REFERENCES: RESEARCH TOPIC

synthesis of epibatidine analogs

Examples:  
The effect of antibiotic residues on dairy products  
Photocyanation of aromatic compounds

Search

Advanced Search

**SAVED ANSWER SETS**

- conversion of methane to syngas
- IBMs new class of polymers
- PVC Polymer Exact Str Search
- Arylketone synthesis final answer set
- Arylketone search

1 View All | Import

**KEEP ME POSTED**

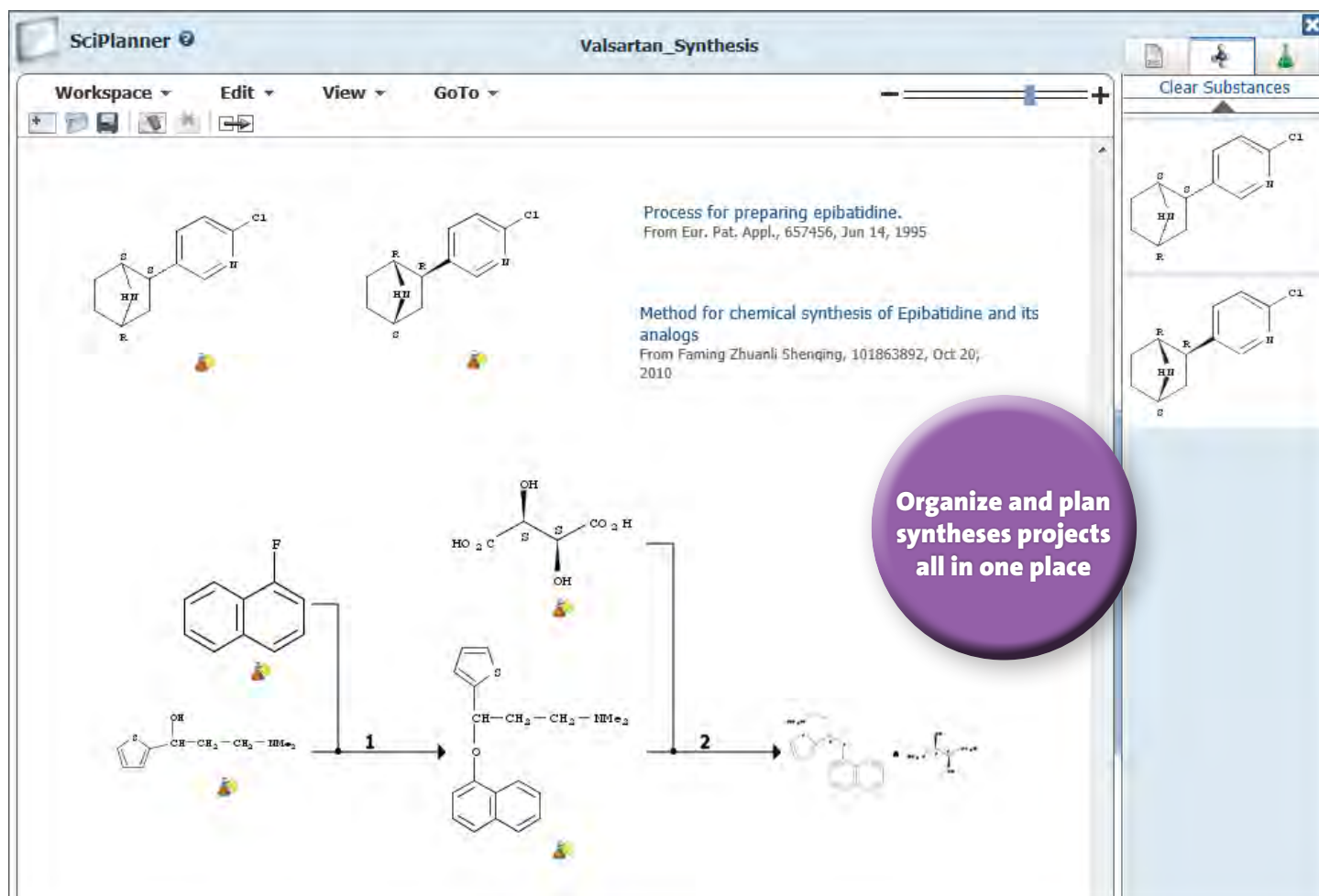
- Cristiano get citings KMP
- Oct 18, 2014(1)
- Sep 27, 2014(1)
- Sep 20, 2014(1)

2 View All

1. SciFinder allows you to easily view saved and imported answer sets.
2. Keep Me Posted allows you to stay current in your areas of interest.



## Quick Start to SciPlanner™



SciPlanner helps you quickly identify synthesis options in order to design the best pathways, and gives you the tools to organize and manage results.

Chemical Abstracts Service (CAS),  
a division of the American Chemical Society,  
is the world's authority for chemical information.  
CAS is the only organization in the world whose  
objective is to find, collect and organize all publicly  
disclosed chemical substance information.

To learn more, visit **[www.cas.org](http://www.cas.org)**

**[scifinder.cas.org](http://scifinder.cas.org)**

Connect with SciFinder:

