HOW TO...

Use the New Features

SciFinder®

March 2010

SciFinder® offers many new structure drawing, reaction search and display, answer set manipulation, and results post-processing features and enhancements. Improved performance combined with improved integration with your work further enhances your overall SciFinder experience.

Structure Drawing

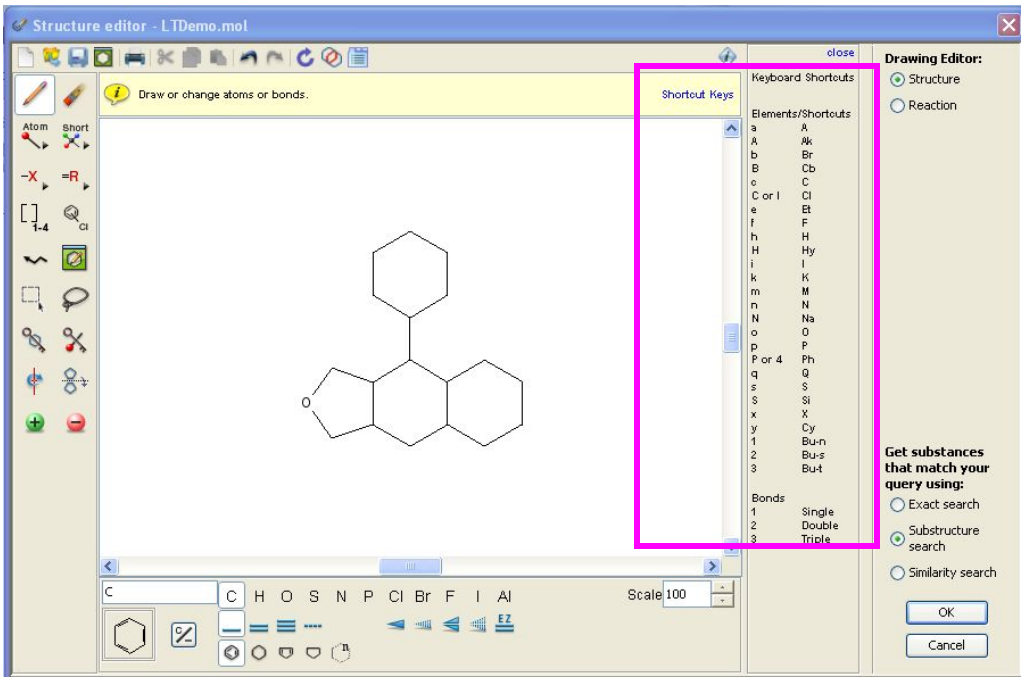
Keyboard Shortcuts and Paste from ChemDraw

1. The structure editor Pencil Tool now includes keyboard shortcut functions to quickly highlight, and with a simple keystroke, change an atom or bond in a structure drawing. (Click on the Shortcut Keys hyperlink to open this feature)

2. Clickable bonds make it easy to change bond types (single-double-triple) or easily sprout bonds from a carbon atom.

3. SciFinder now provides the ability to paste structures generated by ChemDraw into the structure editor.

.



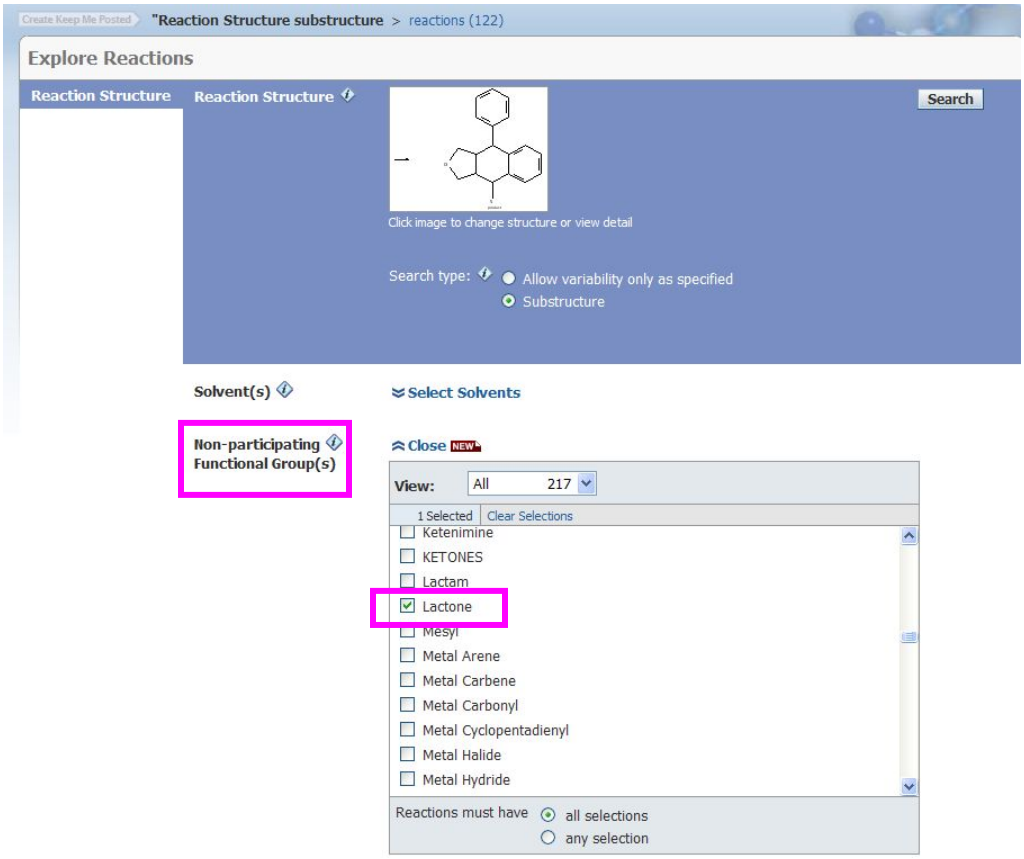
Reaction Search and Display

Non-participating Functional Groups

1. A Non-participating Functional group is a functional group in a reactant that is mapped to the same functional group in a product and which survives the reaction unchanged.

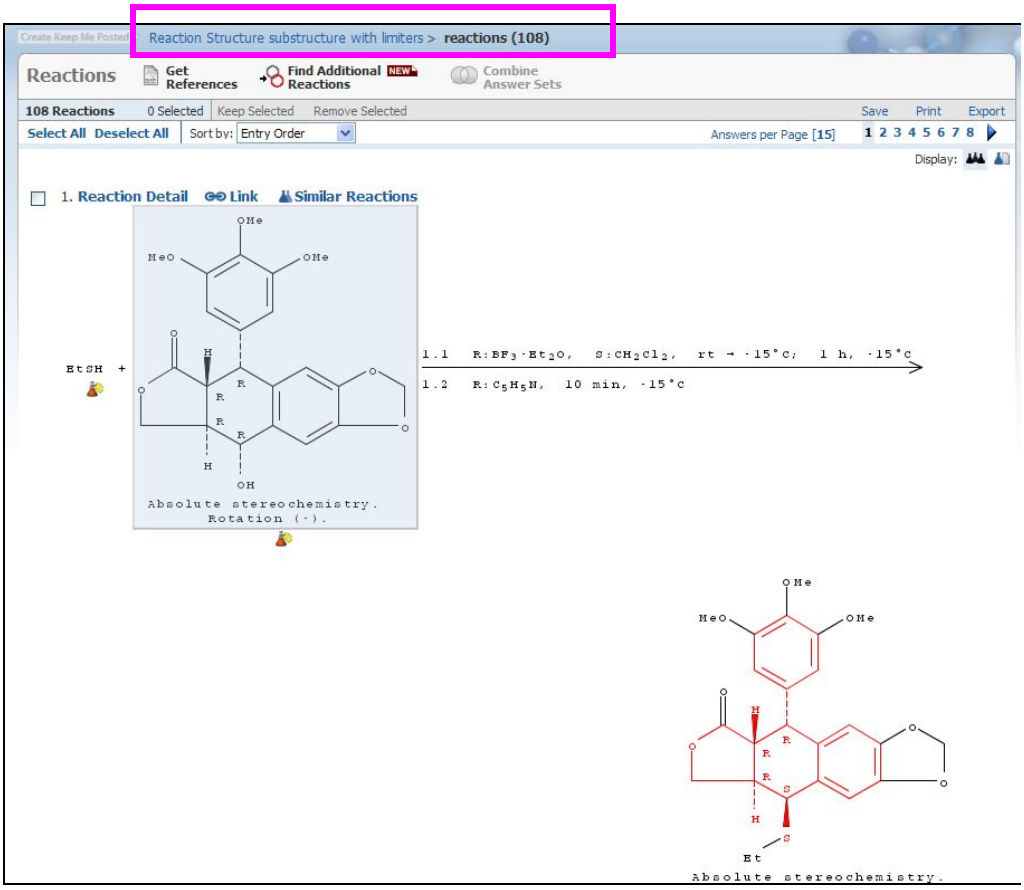
2. Non-participating Functional Groups can be used to Limit or Refine an answer set to reactions that include one or more functional groups and/or functional group classes in a non-participating role.

3. Draw a reaction query, then select one or more Non-participating Functional Groups from the list.



Non-participating Functional Groups (cont.)

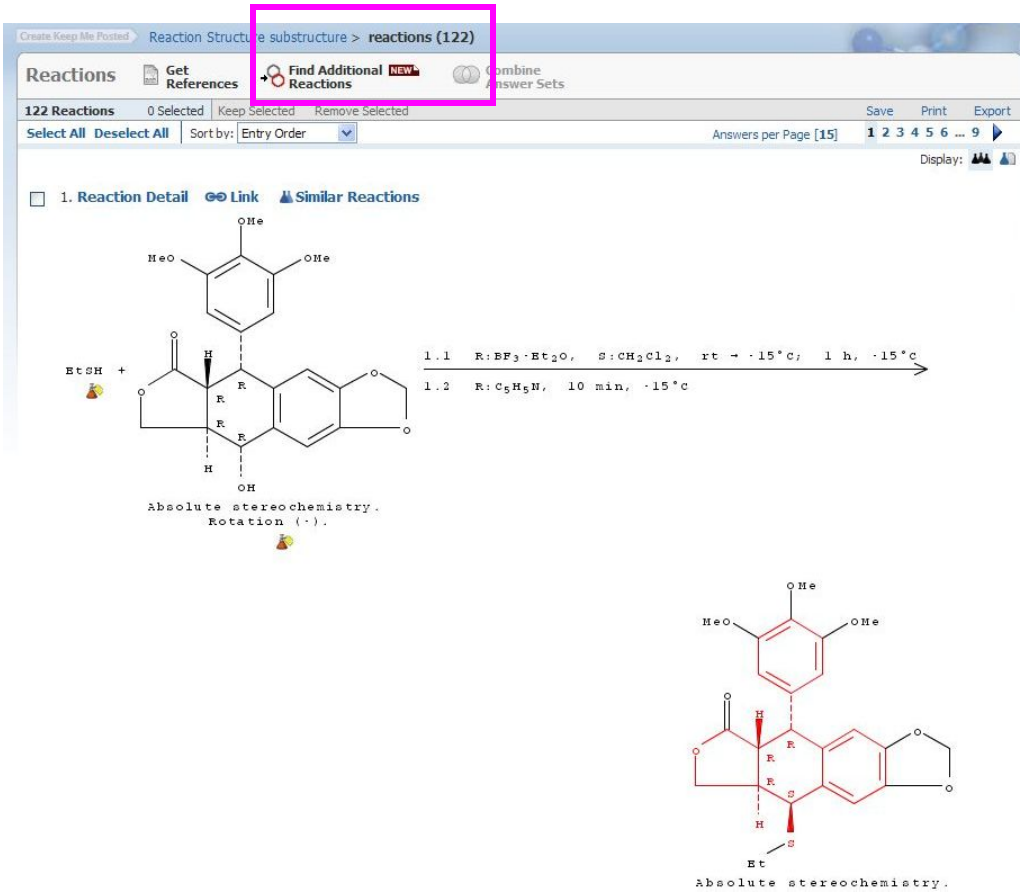
4. After running the reaction substructure search with the lactone non-participating functional group limiter, the results are more targeted to reactant and product structural characteristics.



Find Additional Reactions

1. **Find Additional Reactions** searches references that contain structurally matching substances that have a synthetic preparations role.

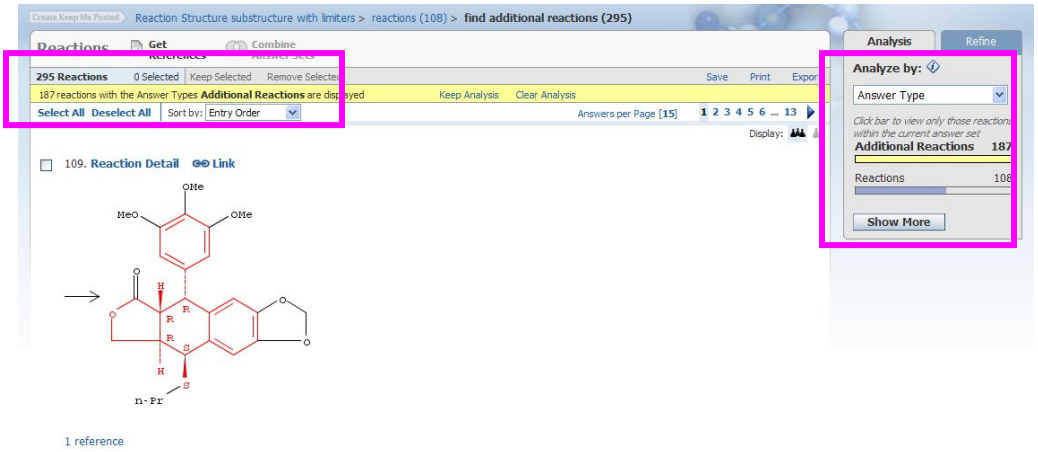
2. Select **Find Additional Reactions** to search for reactions matching the reaction answer set query. Note the original query resulted in 122 reactions.



Find Additional Reactions (cont.)

3. The new answer set of 295 reactions contains 187 Additional Reactions. There are no reaction conditions or reactants.

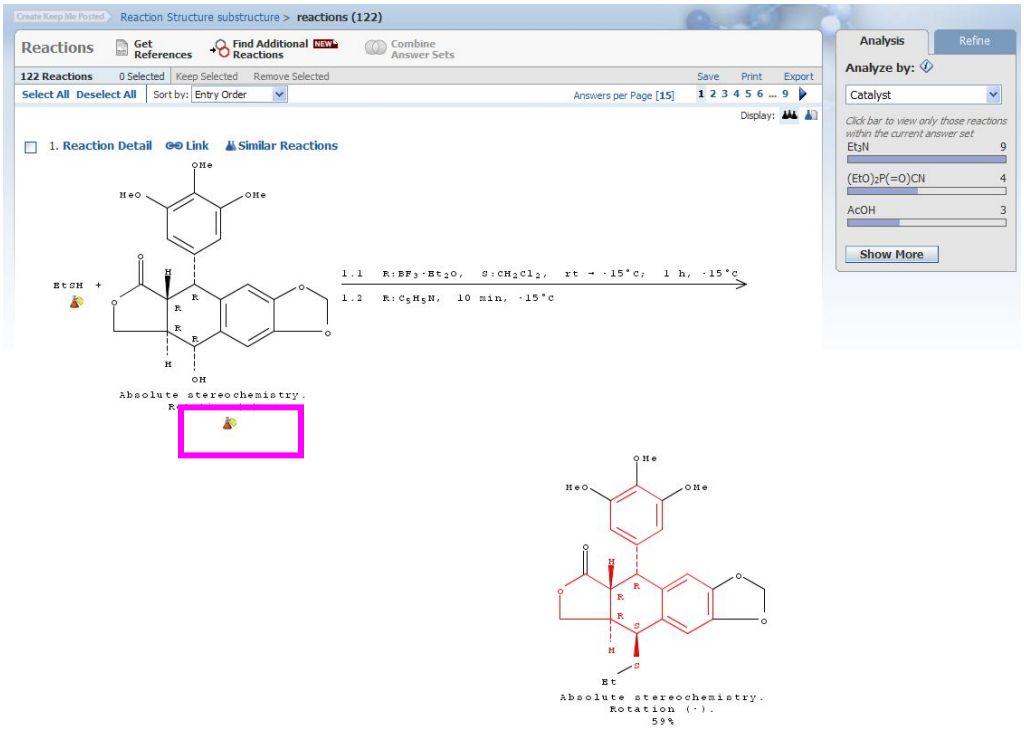
   The display shows a product and the number of references associated with it.



Enhanced Reaction Display – Commercial Sources

1. Reaction display now contains icons to indicate commercial source availability.

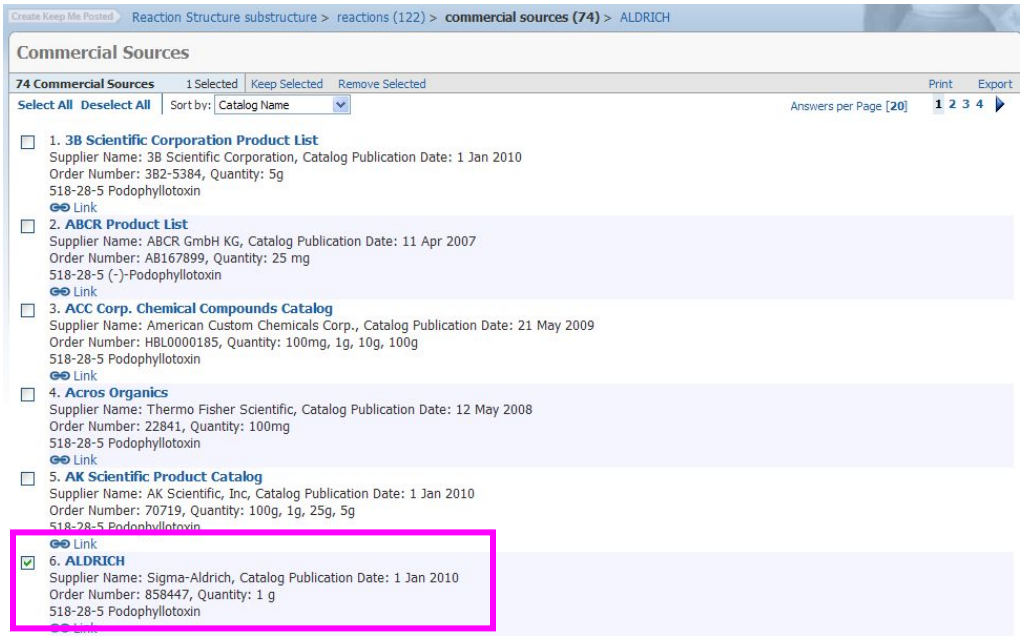
   Click the commercial source icon to see supplier information.



Designating Preferred Suppliers

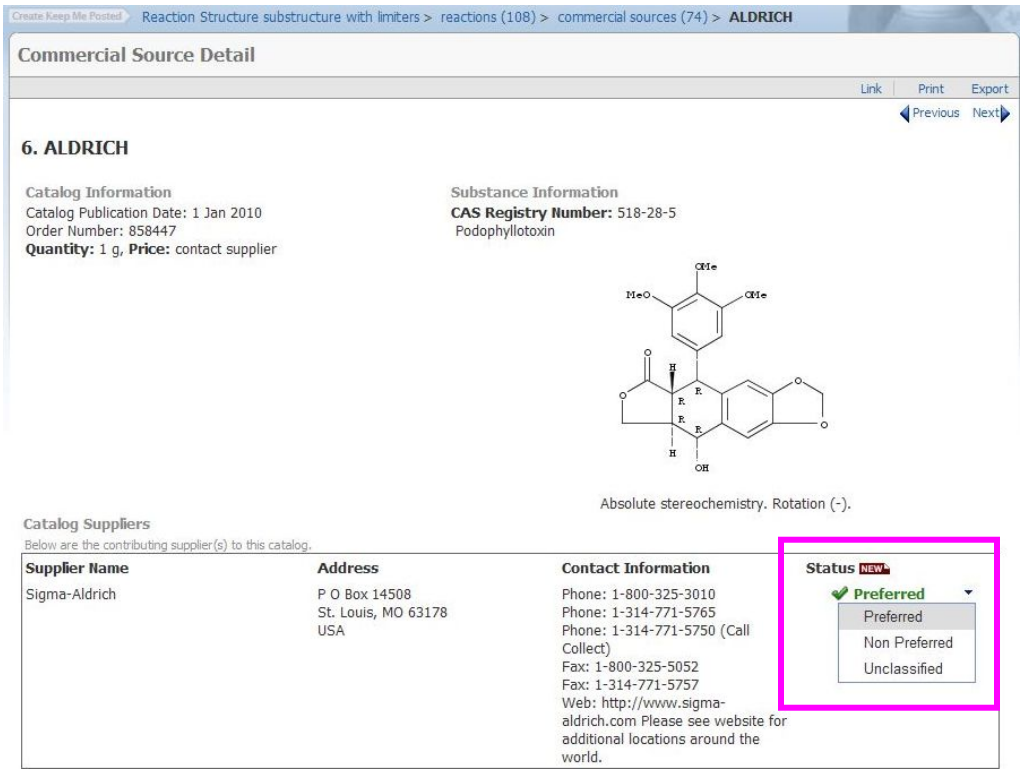
Selecting a Supplier

1. Select a supplier to see additional Commercial Source Detail.



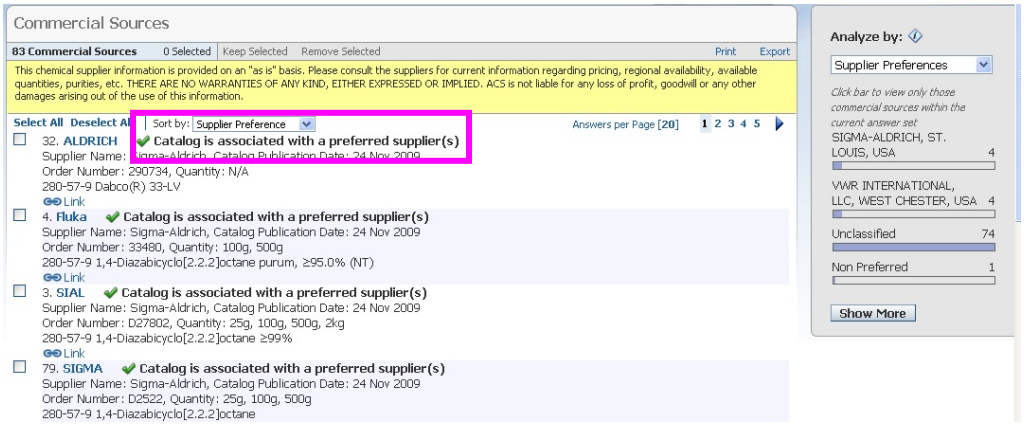
Designating Supplier Status

1. Clicking on **Status** provides the ability to designate a supplier as preferred or non-preferred. The default status is Unclassified.



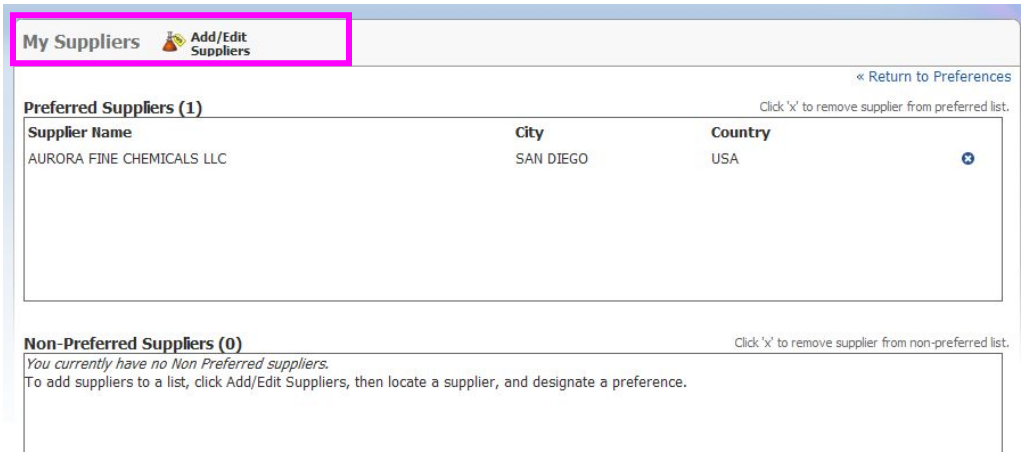
View Preferred Suppliers in an answer set

1. In subsequent displays of commercial sources your preferred suppliers are indicated.



Add/Edit Suppliers in Preferences

1. There is a new **My Suppliers** Preferences option that provides the capability to add/edit suppliers and maintain lists of those that are preferred and non-preferred.



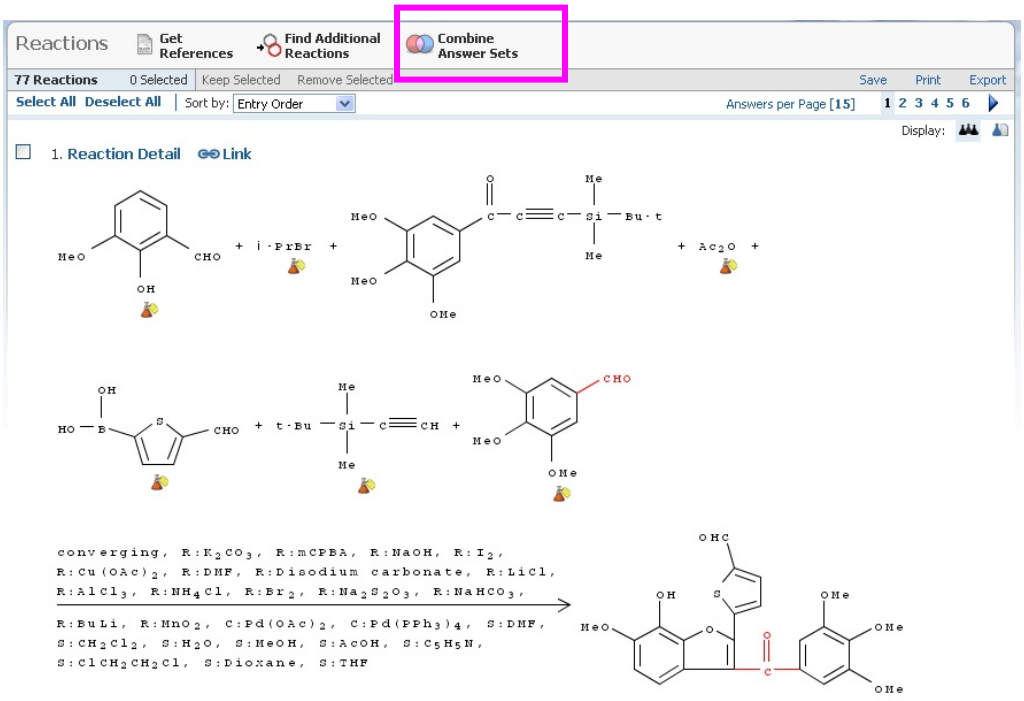
Usability Enhancements

Combine Current and Saved Answer Sets

1. SciFinder allows you to combine a current and 1 or more saved answer sets into a new answer set. Only entire answer sets can be combined. You cannot add selected answers from the current answer set to one or more saved answer sets.

2. To combine a current answer set and one or more saved answer sets first run a search that retrieves an answer set for References, Substances, or Reactions, and then click **Combine Answer Sets**.

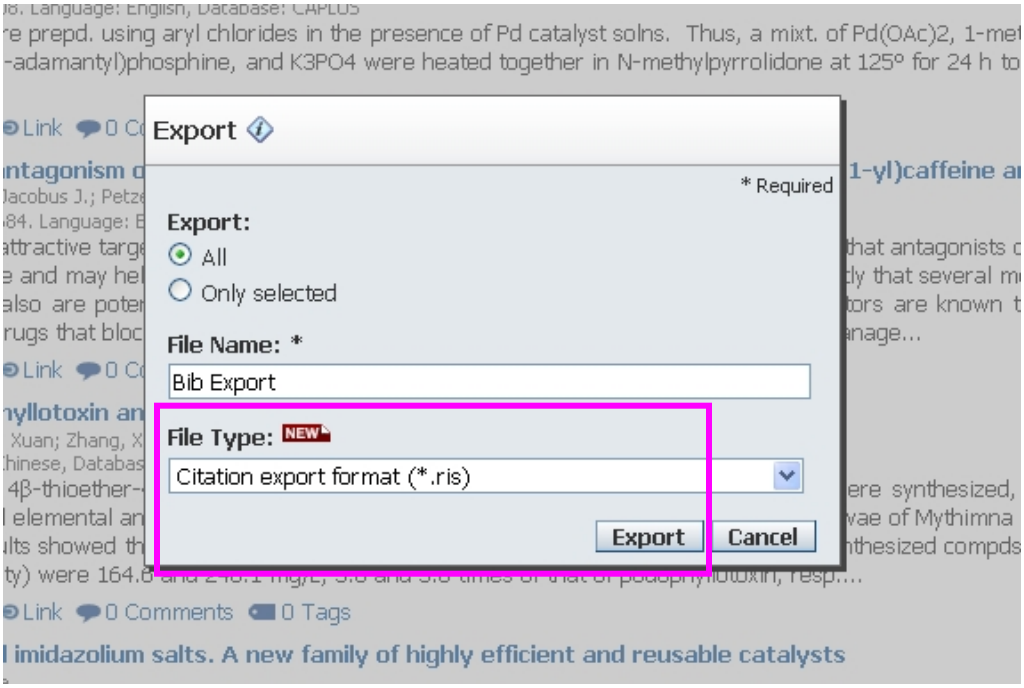
.



3. The Combine Answer Sets dialog displays. It lists the current answer set and the saved answer sets of the same type.

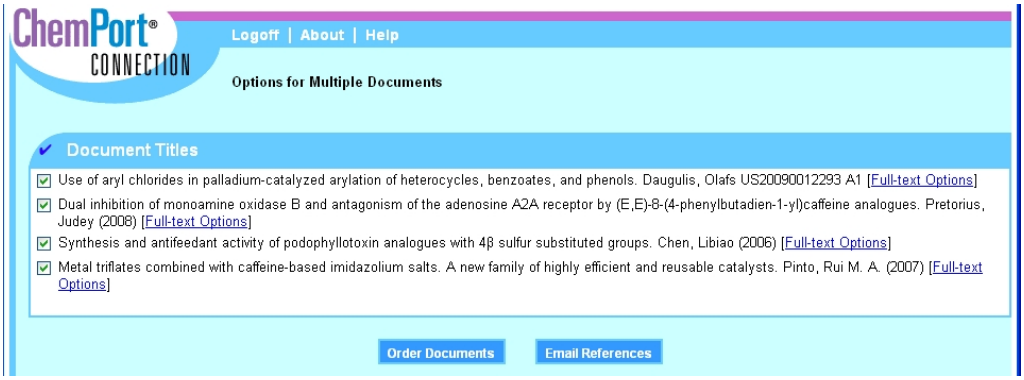
Export Answers in .ris Format

1. Use the Export function to save a copy of an answer set on your computer. Answers can be exported in several formats. New with this release is export to the .ris format, which allows SciFinder references to be imported into citation software, such as EndNote® and Reference Manager®.



Get Full Text for multiple documents

1. You can now make multiple fulltext document requests at one time.

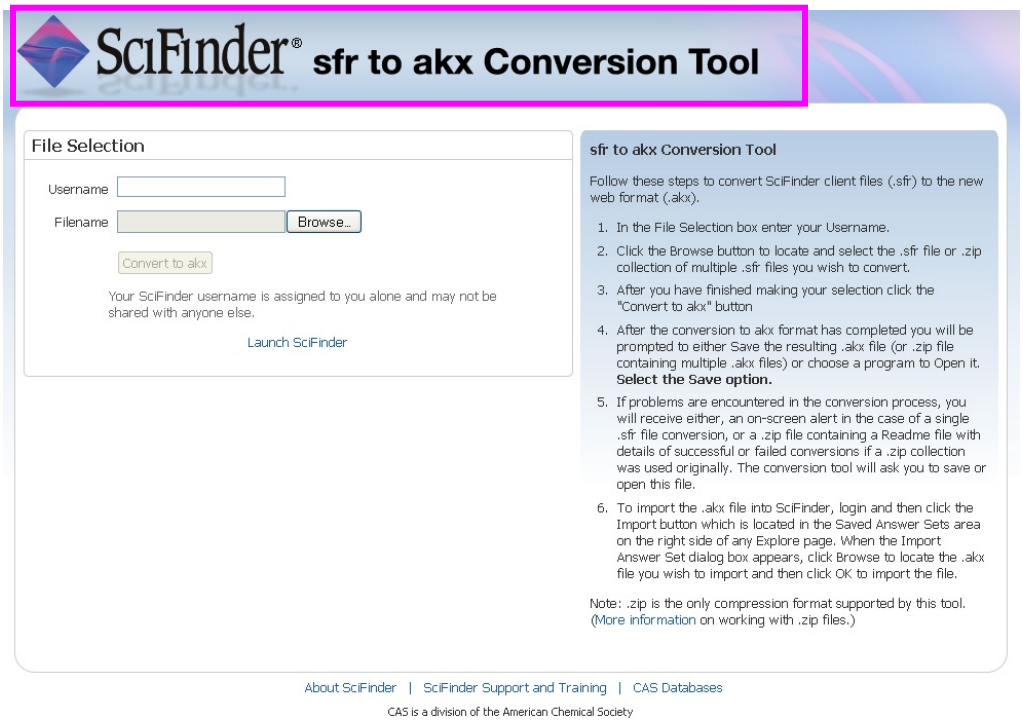


.sfr to .akx File Conversion Tool

1. CAS now provides a free tool for converting client based saved answer set (.sfr) files to the new, web-based .akx format.

   The tool is available at:

   https://scifinder.cas.org/utils/sfr2akx/



A division of the
American Chemical Society

CAS Customer Care
Phone: 800-753-4227 (North America)
614-447-3700 (worldwide)
Fax: 614-447-3751
E-mail: help@cas.org
Internet: www.cas.org