SciFinder on the web

Sample Search for Chemistry 130

Grace Baysinger and Dr. Dave Keller
SciFinder Database Description

- SciFinder is the most comprehensive coverage of chemistry & chemical engineering.
- SF indexes more than 10,000 currently published journals, patents from more than 57 patent authorities, plus books, conference proceedings, dissertations, and technical reports.
- It does cover-to-cover indexing for about 1500 core journals.
- It has the world’s largest collection of organic and inorganic substance information.
- 1907-present plus important scientific discoveries from mid-1800s.
- Updated daily.
Go to Chem 130 LibGuide page
http://stanford.libguides.com/chem130

• You must register before being able to search SciFinder on the web. Maximum of 5 simultaneous users for web version at Stanford so be sure to logoff when done.
SciFinder web Registration
SciFinder web Registration

- Before filling out registration form, view “Tips” for username and password (see next slide).
- Use “stanford.edu” email address when registering.
- If you had a SciFinder web account at another institution, you will no longer be able to access it or anything you had saved on it. When registering for an account here, you will need to choose a new username.
- After submitting registration, you will get a confirmation message via email.
SciFinder web Registration – User Name and Password Tips

Username and Password: Tips

Q. What are the rules for specifying a user name?
A. Username must be 8-15 characters and contain at least one letter. It must start with a letter or number, but may include numbers, dashes, underscores, periods, or @.

Q. How long does my password need to be?
A. Your password must contain a minimum of 7 and a maximum of 15 characters.

Q. Can my password be the same as my username?
A. At least 2 of the characters in your password must be different from your username.

Q. What types of characters does my password have to include?
A. Your password must include at least three (3) of the following:
   - Letters
   - Mixed upper and lowercase letters
   - Numbers
   - Non-alphanumeric characters [e.g., @, #, %, &, ~]

Q. When I change my password, how different does it need to be from my old password?
A. A new password must differ from your old password by at least 2 characters.

Additional questions may be directed to CAS Customer Care.
SciFinder web Registration – Security Question: Why?

Security Question: Why?

Q. Why do I need a security question?
A. If you forget your password, the security question is a way for CAS to verify your identity.
   You must be able to correctly answer the security question to obtain username and/or password information.

Q. If I make a mistake, do I get another chance to answer the question correctly?
A. Yes, but the number of chances is limited.

Q. What happens after I correctly answer the question?
A. After providing the correct answer to the security question, you will receive an email from CAS. Follow the instructions in the message to reset your password.

Q. What if I can’t remember the answer to my security question?
A. Contact CAS Customer Care.

Additional questions may be directed to CAS Customer Care.
SciFinder – Login to web version
SciFinder – Usage Agreement

License Agreement

By clicking the Accept button below, I hereby agree to all the terms and conditions set forth in this license agreement.

1) I am a current faculty or administrative staff member, or officially registered student of the University.

2) I will use SciFinder only for my own academic research done in the course of pursuing my degree, or in instructing my students, or in the course of my own research funded by the government or a non-profit foundation and intended for publication in the publicly available literature.

3) I will NOT use SciFinder for commercial research, for example, research that is done under a funding or consultant contract where the results are delivered to a for-profit organization, or for research that involves patentability searching. If I require SciFinder for commercial purposes, I will have the search done using a commercial account by contacting the librarian responsible for chemistry searches on campus, by contacting CAS and having them perform a search for me, or by acquiring and using the commercial SciFinder product.

4) I will use my search results in the ordinary course of academic research and acknowledge that I may store search results in electronic form for the duration of research projects, provided that at any one time, I store no more than 5,000 records. I may share search results with a limited, reasonable way with other University students or faculty working on the same project. I will delete stored records when I no longer need them for the relevant research project, or after the completion of my degree program, whichever occurs first. If I need to use search results beyond what is described here, I will contact my University Key Contact to discuss and to obtain CAS permission. I ACKNOWLEDGE THAT I AM NOT PERMITTED TO DISTRIBUTE ANY CAS DATA OR SCIINDER, FOR COMMERCIAL GAIN OR OTHERWISE, OUTSIDE THE UNIVERSITY OR TO THIRD PARTIES.

5) I acknowledge that the University has entered into a license agreement with CAS to provide me with access to SciFinder, and that violation of the license by any user could result in a termination of the license for all users.

6) I will contact the University's Key Contact with any questions related to the use of SciFinder.

Accept  Decline
SciFinder – Go from Explore References (Default) to Explore Substances
SciFinder – Explore Substances – Search Substance Identifier
SciFinder – Explore Substances – Substance Identifier – Enter CAS Registry Number

Enter one CAS RN per line, max 25 per search
SciFinder – Substance Search Results – Brief Display – Click on CAS RN for Full Display
SciFinder – Substance Details – Predicted Properties
SciFinder – Substance Details – Predicted and Experimental Spectral Properties
SciFinder – Substance Details – Experimental Spectral Properties
SciFinder – Substance Details – Experimental Spectral Properties

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SciFinder – Substance Details – Carbon-13 NMR Spectrum – Includes Solvent and Source

- Solvent: Acetic anhydride (100-24-7)
- Nucleus: 13C
- Source: Spectral data were obtained from Wiley Subscription Services, Inc. (US)

CAS Registry Number: 65-95-0
C_{6}H_{5}CO_{2}H
Benzoic acid
SciFinder – Substance Details – Carbon-13 NMR Spectrum – Includes Solvent and Source

Spectrum ID: CNUC000056082

Solvent: Water (7732-19-5)

Nucleus: 13C

Source: Spectral data were obtained from Wiley Subscription Services, Inc. (US)
SciFinder – Substance Details – IR Absorption Spectrum
SciFinder – Substance Details – Proton NMR Spectrum
SciFinder – Substance Details – Proton NMR Spectrum – Use Link to Literature Reference to view Spectral Data
SciFinder – Substance Details – No Predicted or Experimental Spectral Properties Listed?

- Get predicted Carbon-13 NMR or Proton NMR spectra using ACD software.

- Use Dictionary of Organic Compounds or Reaxys to locate literature reference that contains experimental spectral data.

- Consult with Swain Librarian or Dr. Keller for more search options using SciFinder.
SciFinder Help Online

- SciFinder Training and Support
  - http://www.cas.org/support/scifi/index.html

- SciFinder How-to Guides
  - http://www.cas.org/support/scifi/htguides.html