5. Structure Search Procedure

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Overview

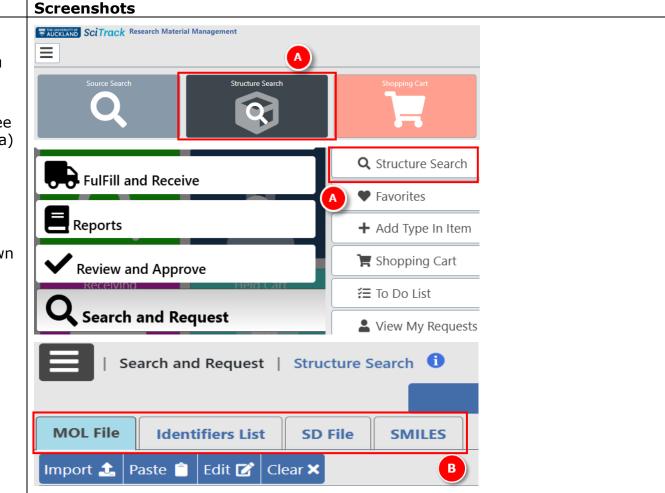
This quick guide will show you how to complete a Structure Search to find a chemical either in the inventory, or to purchase.

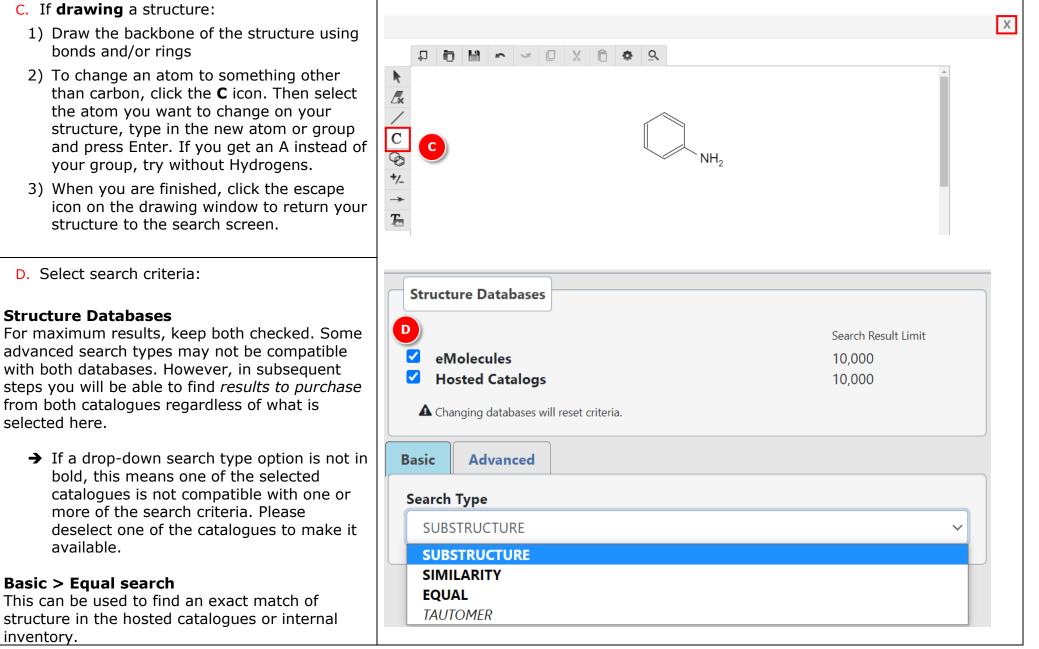
- **1. Structure Search Window**
- 2. Retrieving Identifiers
- 3. Explore Structures & Sources OR
- **4. Explore Structures**
- 5. Substructure Searches in the Inventory By Keyword

Steps

1. Structure Search Window

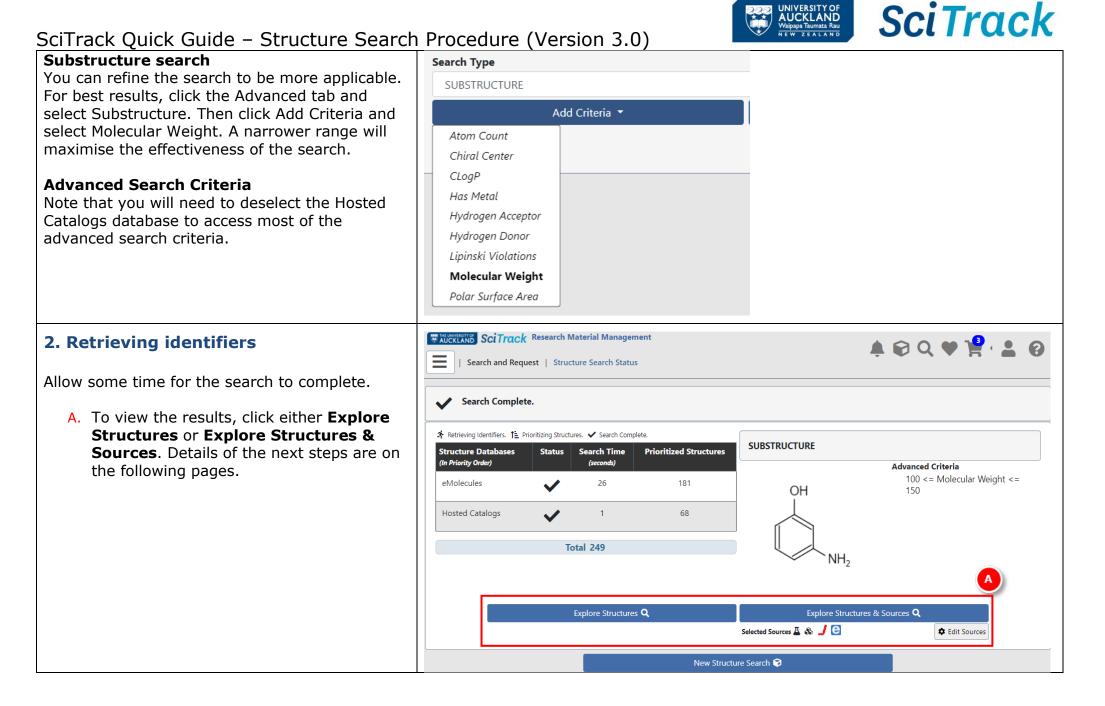
- A. Click Structure Search or from the Menu go to Search and Request > Structure Search.
- B. Search for a structure using a MOL file (see below), SMILES code, SD (Structured Data) file or through chemical identifiers (like a CAS number). Either **import**, **paste** or **draw structure:**
 - a. Use **Import** or **Paste** to retrieve a structure from a .mol file. You can save .mol files from structures drawn in ChemDraw.
 - b. OR Click **Edit** to draw the chemical structure.



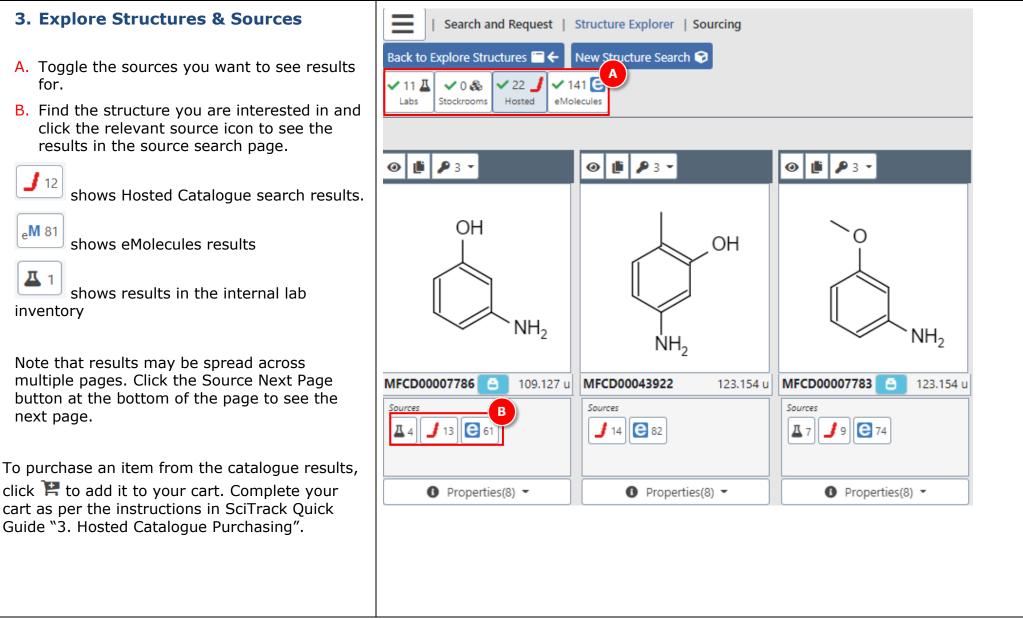


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SciTrack Quick Guide - Structure Search Procedure (Version 3.0)



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SciTrack Quick Guide – Structure Search Procedure (Version 3.0) 4. Explore Structures

AUCKLAND SciTrack Research Material Management Ξ Search and Request | Structure Explorer | Exp A. To find a chemical in the internal inventory, click Yes in the "In Inventory" panel. To search New Structure Search 🍞 In Inventory Filters T 🛆 🖾 🗖 Yes(12) ΔII No for a chemical to purchase, leave this selection Start Source Search for Selected Structures (200) Selected Sources 🗸 🗞 🤳 😂 Edit Sources **B.** Select individual structures using the check В boxes or click Select Page from the drop-down 🗹 💿 🍺 ۶ × 0 0 0 C. View structures on additional pages by using OH OH the navigation aid at the bottom of the screen. NH OH E. Click the relevant icon by the structure you want to see the inventory/purchase details for. ŃH₂ NH_2 HC shows Hosted Catalogue search results. MFCD00007786 SO621529 123.152 u SO677449 109.127 u MFCD00043922 123.152 u 123.154 u Properties(8) -Properties(0) -Properties(0) • Properties(8) -Structure Search Total: 249 ٠ Selected 200/200 0 💼 **P** 3 OH To purchase an item from the Hosted Catalogue or eMolecules results, click 📜 to add it to your cart. Complete your cart as per the instructions in SciTrack Quick Guide "3. Hosted Catalogue NH₂ MFCD00007786 109.127 u 🛛 4 📕 13 🔁 6

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inventory

Purchasing".

to select all results on that page.

shows eMolecules results

shows results in the internal lab

D. Click Start Source Search icon.





When looking for substructures in the inventory, you may get more complete results by using a keyword search than a structure search.

This is because some chemicals do not have an associated structure to search,

- A. Go to Source Search
- B. Optional: click Preferred next to Labs to only search preferred search locations. See Quick Guide 2. Configure Preferences for more information.
- C. In the search criteria, enter key words with a wildcard (*) on either side and in-between words as required, and click Search. For example:
 - *amino*phenol*
 - *pyridine*
 - iron*sulfate

The search looks for the key words *in the order specified*, and a wildcard means results will be returned with other words before, between, or after the key words.

e.g. A search for ***boronic acid** will return anything that ends in the exact phrase "boronic acid".

✓ 577 ▲ Labs

- D. Click the Labs button
- E. Results may be displayed on multiple pages. Click the info icon to see more container details.

