



# COMPOUNDS AUSTRALIA

## Data Infrastructure

Compounds Australia offers a complete suite of sample management solutions for small molecule and natural product drug discovery research needs, underpinned by critical data infrastructure that links the registered sample information to the barcoded sample labware, and ultimately provide members' sample and plate layout information based on their request requirements.

### CA Manager

Central to Compounds Australia's operations has been its proprietary compound management software, CA Manager. CA Manager is a bespoke software system developed in-house to coordinate the data management workstreams for the facility. These data workstreams are intrinsically linked to sample lodgement and access workflows. CA Manager generates the input files to operate the equipment and uploads the data output files from the processing platforms to generate end user plate maps. All assay-ready and storage microplates are processed within CA Manager to track the usage of individual samples and provide plating information to members. This tracking is possible through the database managed 1D- and 2D-barcode information of the sample processing labware and available sample information.

CA Manager is in the process of being replaced as part of the ACRF Centre of Compound Management and Logistics project.

### iLab

iLab Operations Software, is an enterprise web-based management tool designed to support operations for centralized labs and shared research resources. Its functionality includes service request and milestone management, sample processing, equipment reservation management, usage tracking and lab requisitioning.

All members require a login for iLab. Contact Compounds Australia to arrange a login.

### How do I see requests to approve in iLab?

iLab login for Compounds Australia is through the following link:  
<https://griffith.corefacilities.org/account/login>

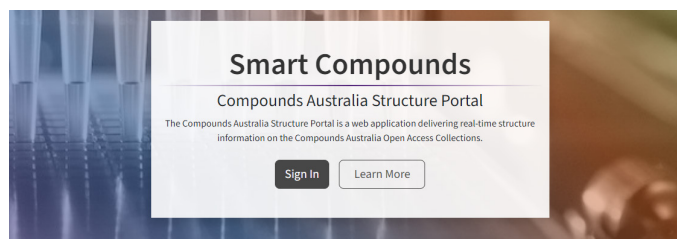
Using the left hand menu, select "View Requests".

This will open up a small tab of windows that will detail any jobs that are:

- Awaiting Approval – option to approve/decline in this window
- Require Payment Info
- Processing and Recently Completed jobs – click on the blue arrow on the left to expand on the jobs
- All requests

### Smart Compounds - Compounds Australia's Structure Portal

Smart Compounds was launched in 2023 to enable researchers to browse or search the 'Open' Compound Collections via a web portal.



Smart Compounds, the cutting-edge web portal offered by Compounds Australia is the ultimate destination for real-time structure information on Open Access Collections available in Compounds Australia. With Smart Compounds, researchers gain direct access to chemical properties, compound structures (if approved for release), and powerful structure searching capabilities.

Explore the diverse Open Access collections, including the Academic, Scaffold, and Drug collections, which offer an array of compounds for screening and lead discovery. Whether you are seeking new hits or leads, exploring a current lead, or optimising a series, Smart Compounds is your gateway to exciting possibilities.

If you would like more information, please visit the website or get in touch:

E: [compounds-australia@griffith.edu.au](mailto:compounds-australia@griffith.edu.au)

W: [compoundsaustralia.com](https://compoundsaustralia.com)