

Combining Sequence and Structure Searches in PatSnap

While it is not possible to combine a compound and sequence search directly through the Bio and Chem modules in PatSnap, it is still possible to cross-reference patent records that may contain both a sequence and structure of interest.

To start, run a search on the sequence of interest in the Bio module – once filters have been applied to appropriate conditions, the data from which sequences are extracted can be viewed by going to **View Sources**.

The screenshot shows the PatSnap Bio module interface. At the top, it displays "347 Sequences in total" and an "Export FASTA" button. A red arrow points to the "View Sources" button. Below this, there are filters for Alignment Identity (%) and Query Identity (%). The main area shows a list of sequences with their codes and lengths, and a detailed view of a specific sequence (Sequence Code 162134) with its BLAST score and alignment details.

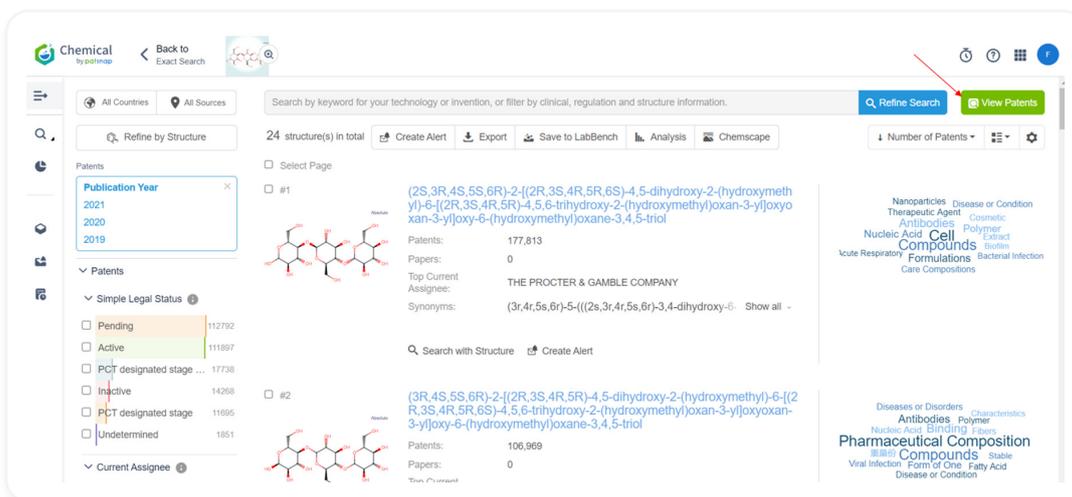
From the Sources tab, results can be further filtered via patent and non-patent literature properties to account for the scope of the technology. Once complete, **Select all (1)** sequences of interest, then hit View in **Analytics (2)** to go to patents.

The screenshot shows the PatSnap Bio module interface in the "View Sources" tab. It displays a list of sequences with checkboxes for selection. A red arrow labeled "1" points to the "Select all" checkbox. Another red arrow labeled "2" points to the "View in Analytics" button. The interface also shows a Venn diagram for cross-reference and a table of published sequences.

From the patent page, further refinements can be made (if necessary) – once complete, the results can be **saved in a Workspace**.

The screenshot shows the PatSnap Bio module interface in the "View Patents" tab. It displays "43 PatSnap families (209 total)" and a "Save to Workspace" button highlighted with a red arrow. The interface also shows options for "Analyze", "Landscape", and "Insights".

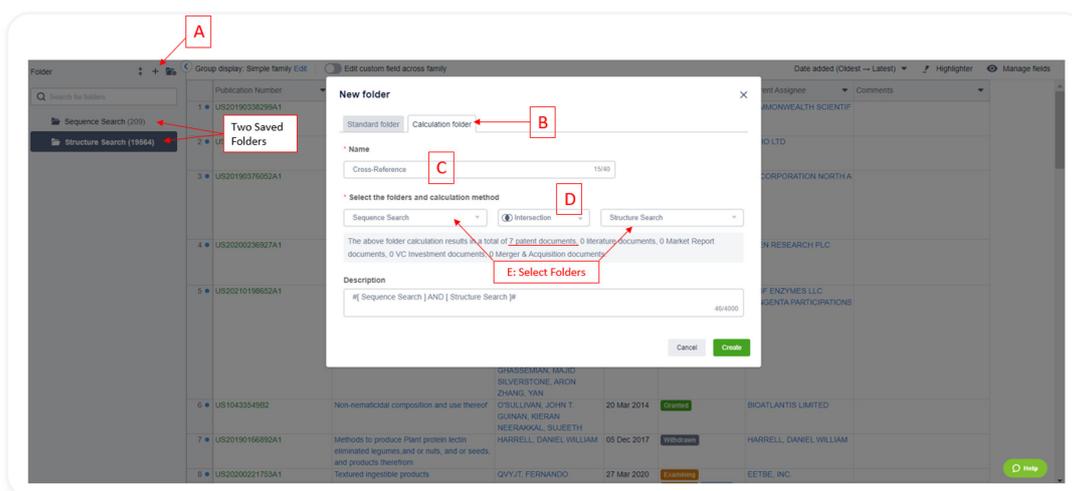
Now that the sequence search results have been saved, run a search on a compound of interest in the Chemical module. Once defining the scope of the search, and filtering through for relevant applications, the patent results of the dataset can be viewed by going to **View Patents**.



In the patent results, further filtering of records based on patent data is possible – once complete, the records can be saved to the same Workspace as the sequence search results, into a different folder.

When in the Workspace, combining the searches can be done by **creating a new folder (A)**, specifically a **Calculation folder (B)**. The user is required to **name the folder (C)** and can **select Intersection (D)** from the drop-down menu of options.

The last step is to **select the two folders (E)** which contain patents saved from the sequence and structure search results, respectively. In the newly created folder, you will see which patents have appeared in both searches



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