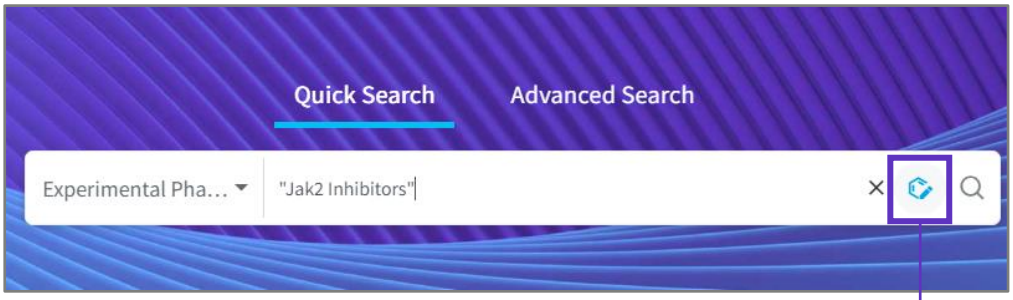
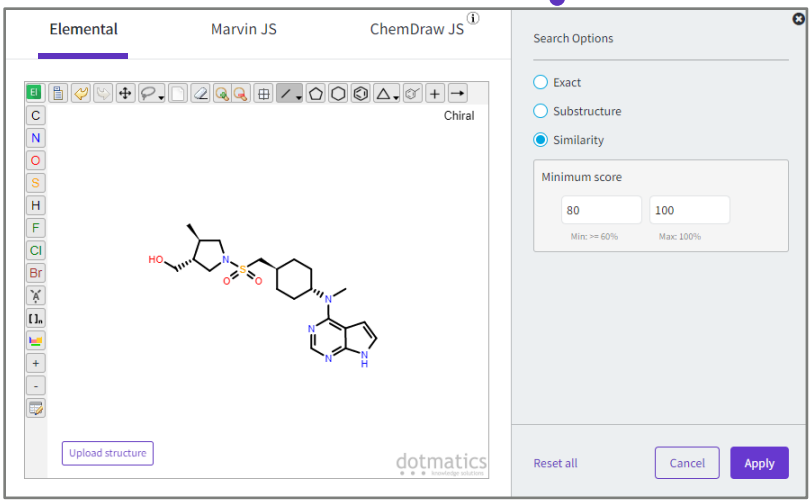
Benchmarking the performance of your drug

Cortellis Drug Discovery Intelligence

Easily benchmark your drugs of interest using the analytical tools in the Experimental Pharmacology Knowledge Area.

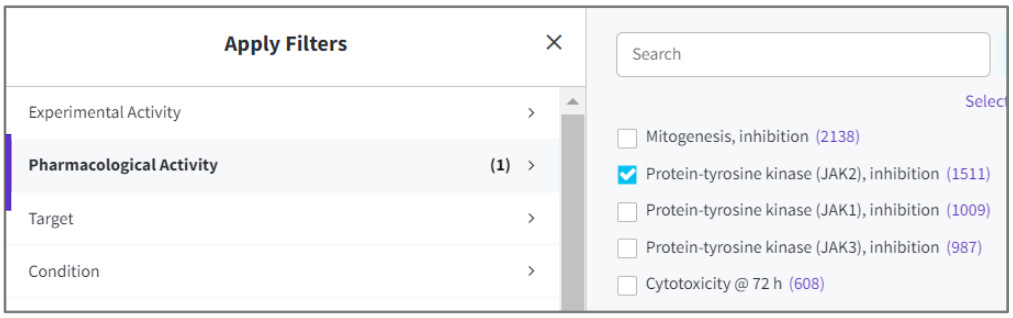
1. Run a quick search in **Experimental Pharmacology**, for example to find experimental data on Jak2 inhibitors.



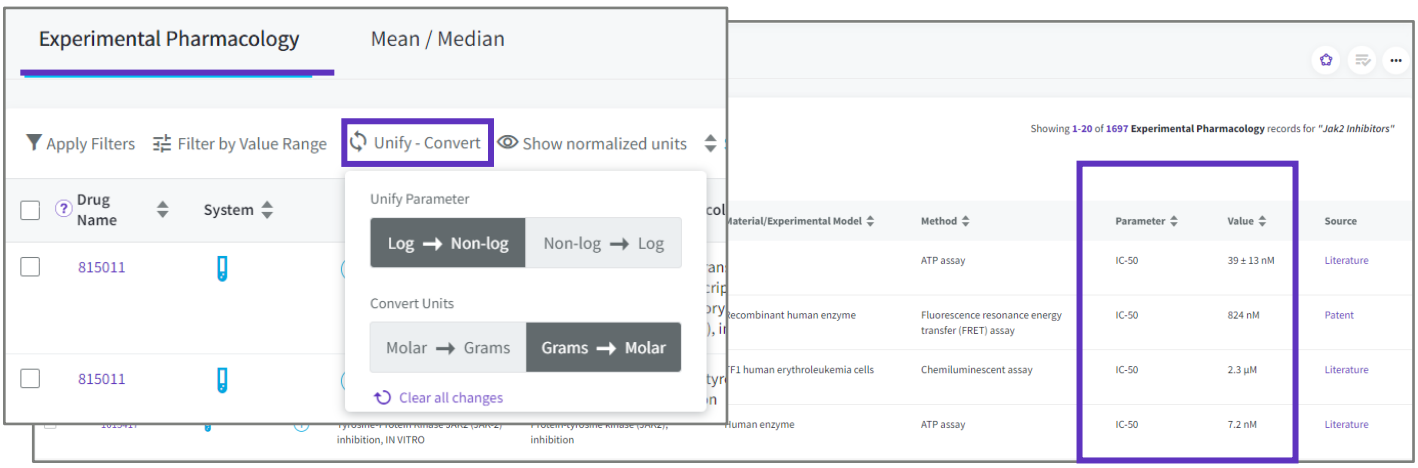


Tip To benchmark the performance of a specific structure, start with a structure similarity search. This will retrieve experimental data for structures similar to yours so that you can then compare performances.

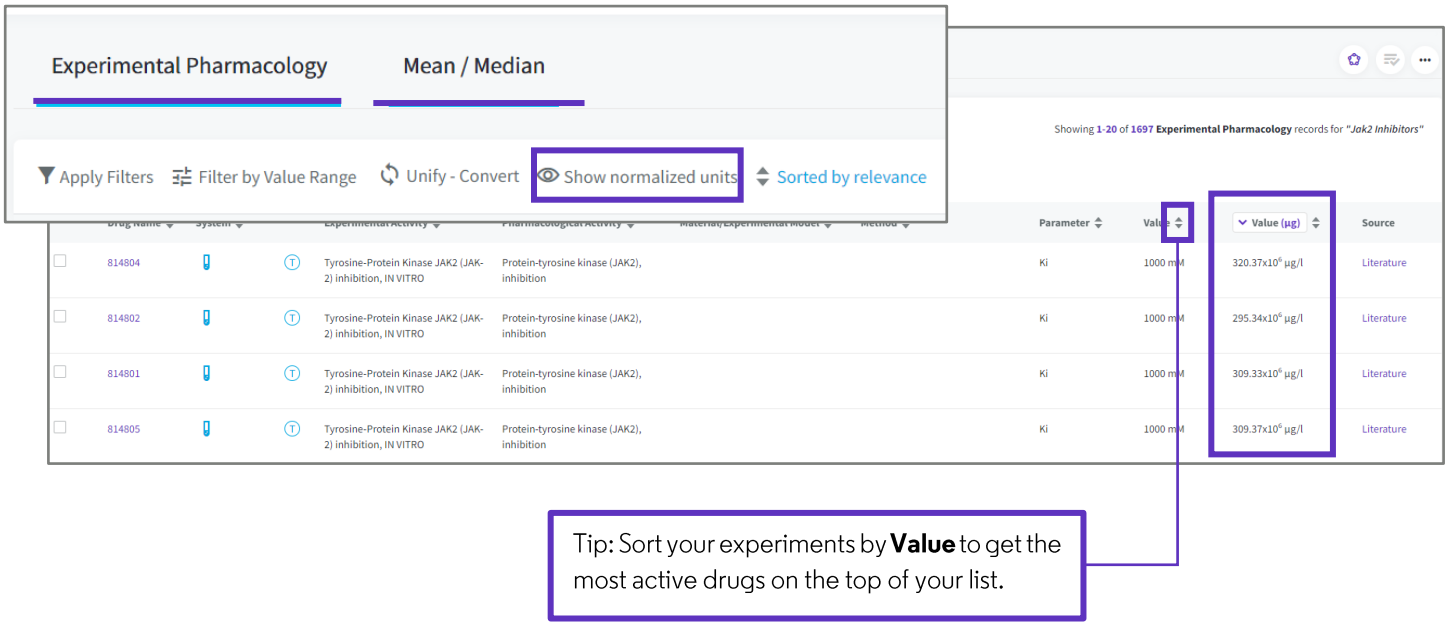
2. In the results page, use **Apply Filters** to select the **Pharmacological Activity** you'd like to benchmark, for instance Jak2 inhibition.



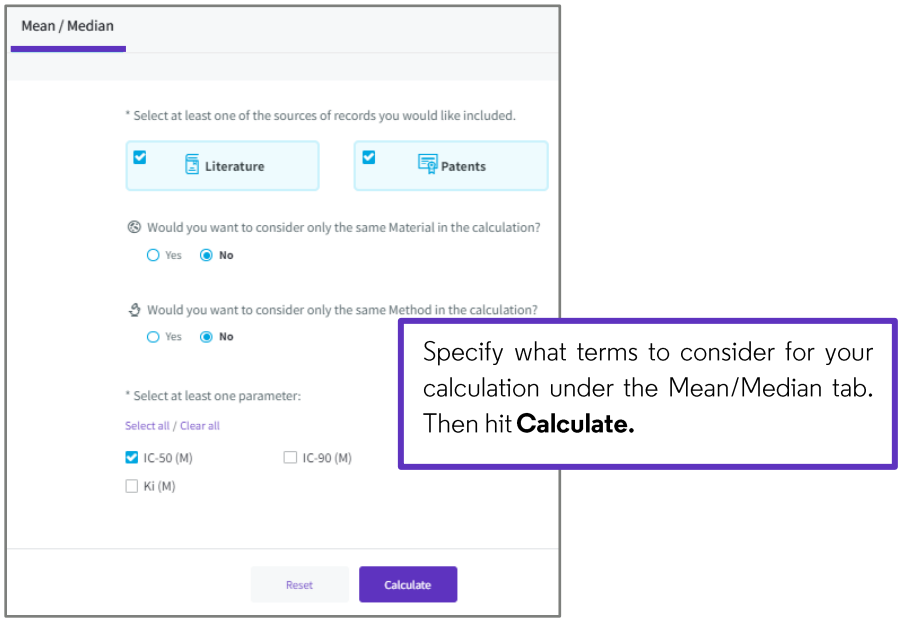
3. **Parameters** and **Values** in the results page may appear in different form (**Log/Non-log**) and units (**Grams/Molar**) depending on the source of the data. Use the **Unify - Convert** functionality to solve that.



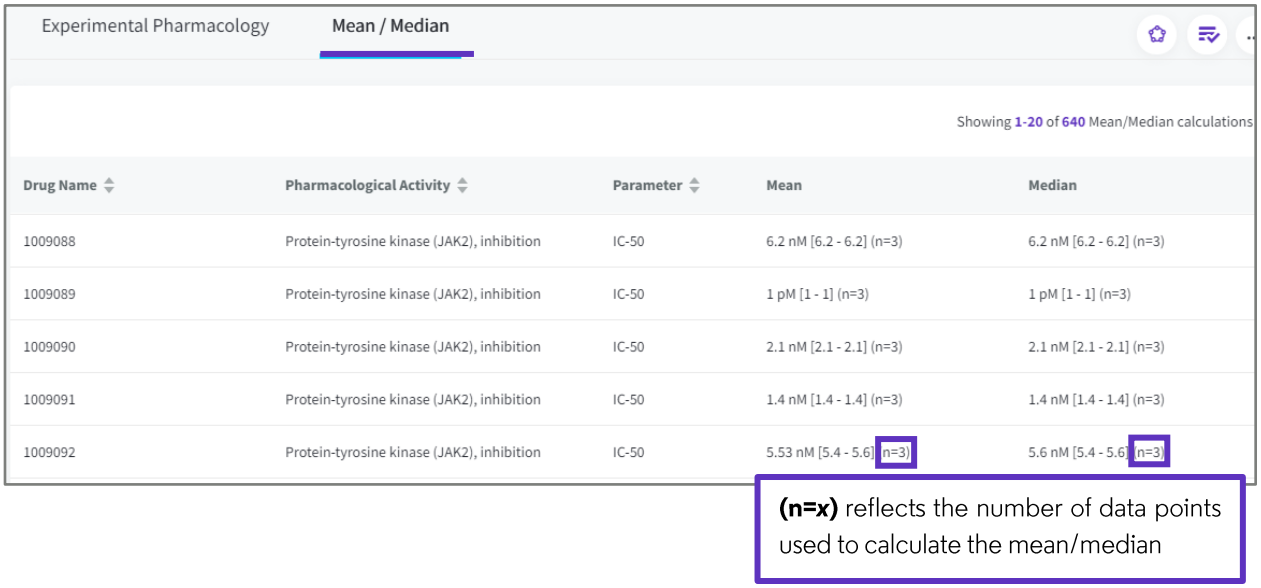
4. To see all results normalized into the same unit, click on **Show normalized units.** This will add an extra column to the results page where you can select your preferred normalized unit (**µmol** or **µg**).



5. Once your results are unified and converted, you may see many experiments measuring the same drug for the same activity with the same parameter. Use the **Mean / Median** tab on the top of the page to calculate the mean and median values for those similar experiments.



6. You can now easily benchmark drugs with the most interesting pharmacological values in the Mean/Median results page.



For more information contact Customer Service at **LS Product Support.**