WebChem Viewer Tutorial
(A video tutorial is available at https://vimeo.com/8123812)

Step 1. Compile your molecular data using a program like Microsoft Excel. One of the columns should include the SMILES strings describing the molecular structures.

Step 2. Save this data in the CSV format.
Step 3. Download WebChem Viewer and uncompress the ZIP file. Run the appropriate version of the program for your operating system.

Step 4. Select the test.csv file you saved from Excel. Since it’s a CSV file, click on the “Comma-Separated Values” option, and then “Load Data”.

Step 5. Specify the SMILES column, the sort column, and the sort order. Here, I want to initially sort the data by the Docking Score. Since lower docking scores represent better binders, I will sort the scores in ascending order.
Step 6. If you have a working copy of Open Babel installed on your computer, use this button to specify the location of the obabel executable file. If you don’t have Open Babel installed, just skip this step. WebChem Viewer will use your internet connection to contact a remote server where images of your molecule will be generated “in the cloud.”

Step 7. Provide additional output options. Most users will want to save the output as a single HTML file. Here, I’ve chosen to name my file “test.html”. I’ve also indicated that the SMILES and Source data should be initially hidden. Once ready, go ahead and click on the “Create File!” button.
Step 8. You and/or your collaborators can view the output in any web browser. For example, in Google Chrome, select the File ➔ Open File... option.

Step 10. Here’s what the output looks like. The HTML file can be sent by email to collaborators.