KinomeExplore User Manual

Searching for a Kinase Inhibitor:

1. Tap on Inhibitor Profiling Search card from home page.
2. Enter name of kinase you want to see inhibiting compounds for.
3. Enter the maximum Activity Remaining (has to be a number).
4. Enter the Maximum Screen Concentration (has to be a number).
5. Press Search button, which will take you to the Results page.
6. You can refine the results by searching by compound name in the search bar at the top of the page.
7. Tap on the card of the Compound you wish to see more information on, which will take you to the Compound Page displaying information on the selected compound.
8. Tap on the “Screen Results Chart” text to be displayed a horizontal bar chart displaying all the kinases this compound inhibits and the associated activity levels remaining of these kinases.
9. Tap on the “Screen Results Chart” text to collapse this down again.
10. Tap on the “Compound Data” text to be displayed a data table displaying all the kinases this compound inhibits and the associated activity levels remaining and standard deviation of these kinases.
11. Tap on the Compound Data text to collapse this down again.
12. Tapping on Text buttons “Reference” and “Reference 2” will either show a pop up form showing the reference (if in citation format) or search the reference in the default browser (if stored in a link format).
13. Tapping on the Text buttons “InChI” and “InChIKey” will open a pop up form which will display the InChI or InChIKey respectively, with the ability to press a text button to copy these to the user’s clipboard.

Using the interactive kinome tree:

1. Tap on the interactive kinome tree card on the home page.
2. Tap the “Open Interactive Kinome Tree” text button to launch the webpage hosting the interactive kinome tree.
3. Tap on Branch Key Values to toggle the colour of the specific branch,
4. Zoom in on kinome tree to desired kinase.
5. Tap on desired kinase to launch UniProt page giving information on this kinase.

Navigating to MRC PPU social media accounts:

1. Tap on the icon from the home page of social media platform you want to visit.

Finding out more about the MRC PPU:

1. Tap on the About Us card on the home page.
2. Scroll down the page and tap the “Find out more” text button to load the MRC PPU’s news page.