What small molecules are known to regulate my pathway?

Example: What small molecules regulate the PTPRC -> STAT6 signaling pathway?

Steps to follow:

1. Select all the proteins in the PTPRC -> STAT6 signaling pathway. (It is recommended to copy the reference pathway to a new pathway window before introducing any modifications.)

2. Use the Build Pathway toll with the following settings: Add > Neighbors or Connections > Expand Pathway > Direction “upstream” > Entity type: “small molecule” > Relation type: all relation types.

3. From resultant pathway manually examine the small molecules that have been added.

Points to consider:

You can reduce the complexity of a large pathway using the Relation Table View to identify and remove relations that have a low number of supporting references.

You can also reduce the complexity of the pathway by selecting the build pathway option “Find Common Regulators” to find only upstream small molecules that impact two or more of the target proteins in your pathway.

The references and sentences that support these resultant relationships can be examined in further detail.