**Causal edge pop-up**

Evidence is shown below dropdowns, autofilled same as MF by default but can be changed

Activity-activity: two dropdowns

* Effect direction
  + Positive
  + Negative
  + Neutral/Unknown
* Directness
  + Direct
  + Indirect/Unknown

Activity-chemical: one dropdown

* Directness
  + Chemical is product of activity
  + Chemical is indirectly downstream

Chemical-activity: one dropdown at first

* Relationship
  + Chemical regulates activity
  + Chemical is substrate for activity
* If regulates is chosen, two more dropdowns
  + Direction of effect
    - Positive
    - Negative
    - Neutral/Unknown
  + Directness
    - Direct
    - Indirect/Unknown

Activity to small molecule:

(NOTE we will only have two choices for now)

Mechanism:

1. Output (molecule is produced by the activity) à has\_output
2. Input (molecule is acted on by the activity) à has\_input

Small molecule to activity

Mechanism:

1. Regulatory (molecule regulates activity) à select Direction of Effect
2. Input (molecule is acted on by activity; please close and drag from activity to molecule instead)

Direction of effect:

1. Positive à is\_small\_molecule\_activator
2. Negative à is\_small\_molecule\_inhibitor
3. Neutral/unknown à is\_small\_molecule\_regulator

Relations for connecting an activity (MF) to a small molecule (CHEBI):

has input

has output

has small molecule regulator

has small molecule activator

has small molecule inhibitor

Relations for connecting a small molecule to an activity:

is small molecule regulator

is small molecule activator

is small molecule inhibitor