# CURVES
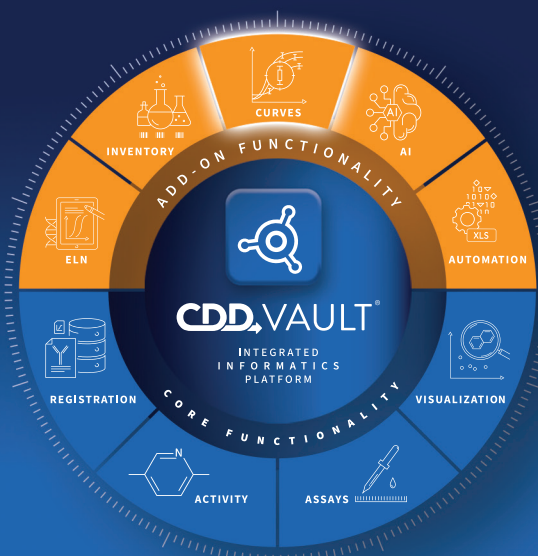## DATA SHEET

**Curves streamlines the processing and visualization of assay data by introducing new ways to generate, QC, plot and analyze results directly**
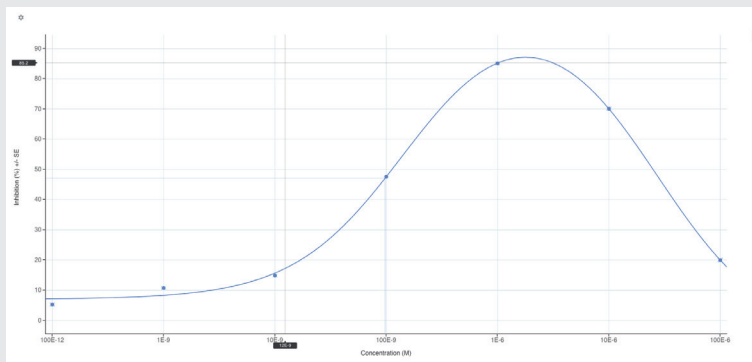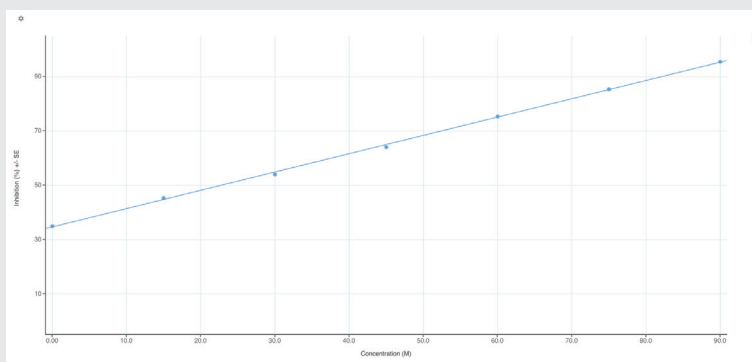


## INTEGRATE

**Curves** seamlessly adds on to the base CDD Vault functionality. After activation, users can take advantage of all the Curves features for all data that is already in the Vault as well as seamlessly calculating properties for newly uploaded data.

- Curves adds Linear, Bell Curve, and Exponential Decay equations to the base Hill Equation, as well as support for scatterplots and line graphs.

- New plots and equations can be used by simply adding a new readout definition to a current protocol to re-analyze past data and newly uploaded data automatically.

- In addition to relative intercepts, Curves allows for the automatic calculation of absolute intercepts (e.g. absolute IC50).



Additional fit equations available for protocol data analysis in Curves



Bell-shaped curve



Linear fit

## COMPARE

Curves enables users to quickly compare and efficiently pull insights from assay data.

○ Overlay data from a single molecule tested in multiple protocols to get an overview of molecular activity.

○ Overlay data from multiple molecules tested against a single protocol to quickly identify the most promising targets.

○ Summary curve creation seamlessly averages your data to get an overview of your molecule's effectiveness over multiple replicates.
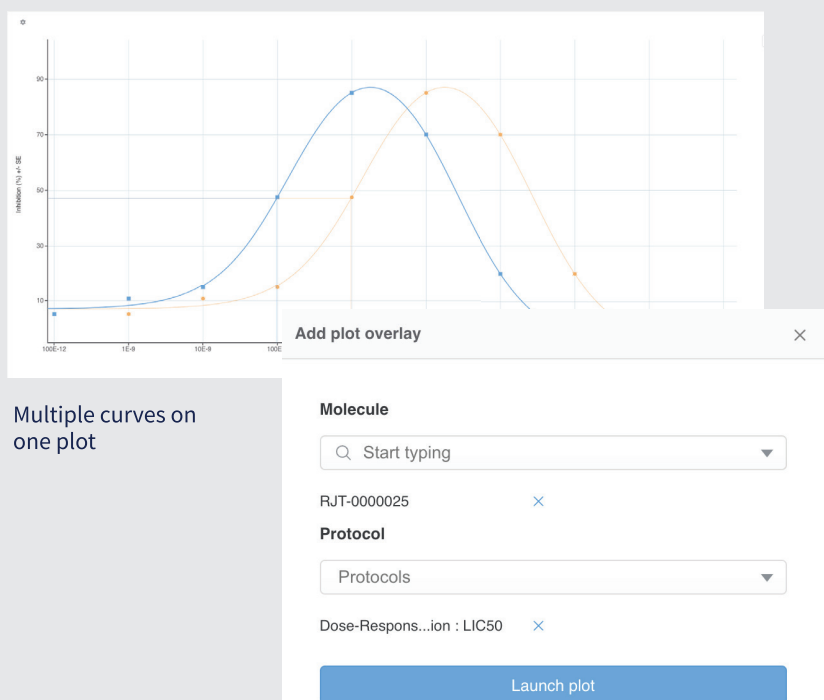
## PRESENT

Curves allows users to customize plots for presentation live in CDD Vault or for export.

○ Colors and point type can be customized for each data set.

○ Choose to show standard deviation or SEM for statistical analysis.

○ Add custom arbitrary lines to your plots to emphasize important thresholds.
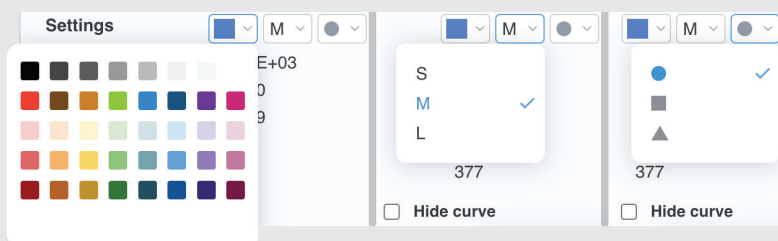
## COLLABORATE

Curves supports secure sharing and collaboration within CDD Vault for ease of communication.

○ Capture comments to add context to your data visualization.

○ Securely share your analyses and collaborate using your project-based CDD Vault environment.
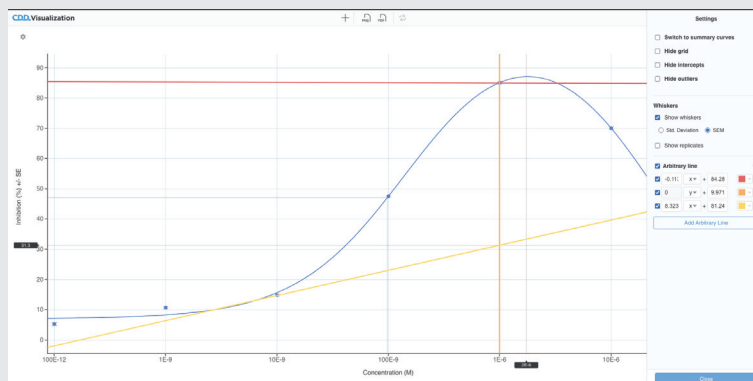


Multiple curves on one plot

Quickly add additional molecule or protocol data



Color, size and shape customization of curves



Arbitrary lines on a curve

Learn more at
**collaborativedrug.com**

or contact us at
**info@collaborativedrug.com**