

MPO Explorer: Sensitivity Analysis

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In this example, we will use the Sensitivity Analysis tool in StarDrop's [MPO Explorer module](#) to check if the ranking of compounds in a data set is sensitive to any of the criteria or importance values in a scoring profile. This is important to consider because, if the compounds we would choose are very sensitive to a property criterion, we should carefully consider if this criterion is appropriate to avoid missing potentially valuable opportunities. This analysis can also help to determine if different values for a criterion would have an impact on the strategy for a project, for example if there is a disagreement regarding the most appropriate criterion to use. If the ranking of compounds is essentially unchanged within a reasonable range of values, this means that the scoring profile can be used with confidence that the ultimate selection will be robust to the chosen criteria.

To try this example yourself, please visit the [Tutorials](#) section of the Community. If you don't have access to StarDrop or the optional modules and would like to arrange a free trial license, please email us at

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