

### Required from customer

- Study design.
- Molecular weight for each compound to be tested.
- Minimum of 0.4 mg of powder or 0.1 ml of 10 mM solution in DMSO.
- Information on solubility and stability (if available). Standard solubilization is as a 10 mM stock solution in DMSO for small molecules or a 1 mg/ml solution in buffer for proteins, followed by further dilution with assay buffer.
- For live cell assays (if applicable), the frozen or cultured live cells.

### Deliverables

- Graphical plot and  $IC_{50}$  values,  $K_i$ ,  $K_d$ ,  $B_{max}$  or  $k_{off}$  for each compound and at least one reference compound.
- Excel spreadsheet of raw and analyzed C.P.M. values.
- Description of methods employed.

### Standard study designs

- *Competition experiments*: 10 concentrations of the test article over a 6 log unit range (0.1 nM to 10,000 nM), in duplicate.
- *Saturation experiments*: 8 concentrations of the test article over a two-log unit range (e.g. 0.25 nM to 20 nM), in duplicate.
- *Kinetic experiments*: 8 time points over a 60 min time period, in duplicate.

### Turnaround times

Turn-around times depend on the number of compounds to be tested, whether the assay is standard or custom, the time taken to grow cells (if applicable) and our level of other ongoing projects. Typically, turnaround times are between one to five weeks from receipt of all materials and a signed work order.