

## Target identification & validation

Discovering and confirming disease-relevant biological targets through genomics, proteomics, and experimental models.

## Hit discovery

Identification of molecules with desired activity against the target in High Throughput Screens.

## Hit-to-lead

Synthesis and testing of analogs of hits to establish structure-activity relationships

## Lead optimization

Iterative refinement of lead compounds to optimize complete property profile.

## Preclinical

Test of most promising lead compounds in multiple species. Results important for approval of clinical

## Clinical trials

Drug candidates are tested in humans and assessed for safety and efficacy to warrant regulatory approval.

## Molecular Design