

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.

