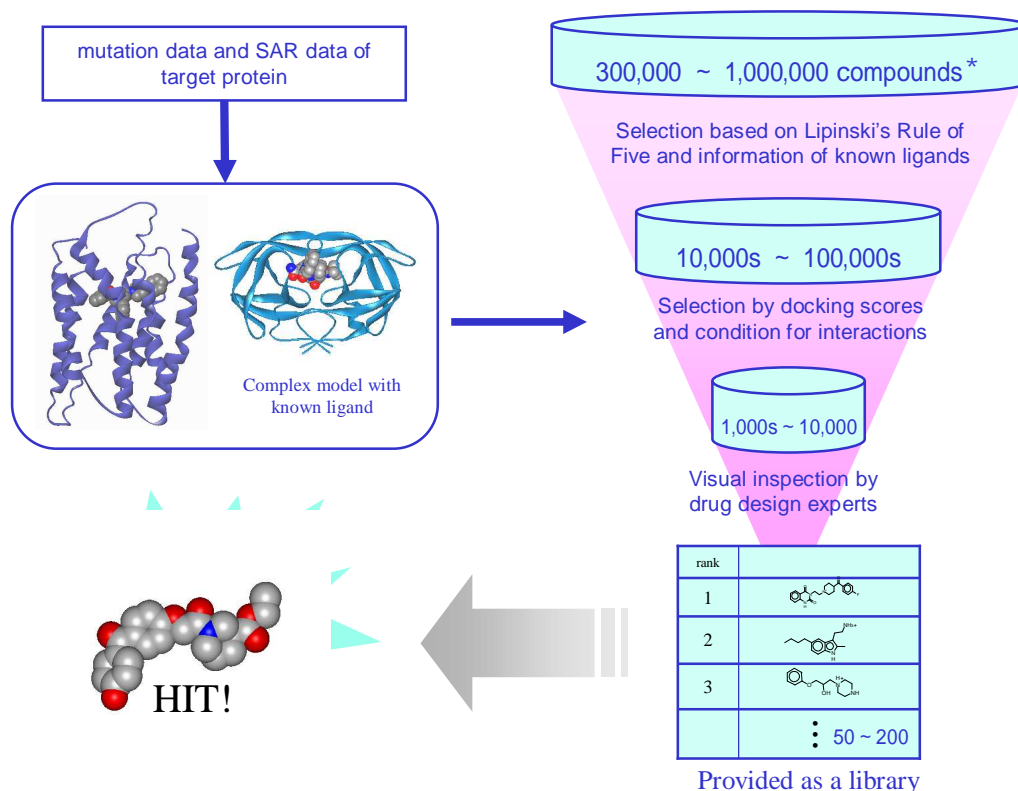


PharmaSBLD

Structure-Based Lead Discovery for New Generation of Drugs

– Contract Research Service to Support Drug Discovery –

- We search candidate compounds based on protein's 3-D structure information for novel drug discovery.
- We start with 3-D structure modeling of a target protein such as receptors (e.g. GPCR) and enzymes, and proceed to virtual screening of compound libraries using docking.
- We provide a focused library of candidate compounds for the target proteins selected with hypothetical screening in silico.



Unique Technologies

Modeling technology: We optimize target protein's 3-D structure with maximal utilization of known ligand information based on rich experience in homology modeling.

Consensus scoring: We combined multiple docking functions in order to complement each function's weakness, and raise prediction accuracies. We use this method in two stages, prediction of binding mode and prioritization of compounds.

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