

Screening of Enzyme Substrates, Inhibitors, and Other Ligands

Creative Enzymes is a leading professional in the field of enzyme ligand screening. We specialize in rapid and accurate evaluation of substrates, inhibitors, and other ligands for specific enzymes, based on high-throughput experiments or computational simulation results. In other cases, we perform screening of active enzymes against specific substrates or inhibitors, helping to identify the functional enzymes for pathways or specific biological targets.

[Learn More](#)

Screening Services Selection Guidance

Services	Highlighted Services	Features
Substrate screening and identification	<ul style="list-style-type: none"> • Best substrate for an enzymatic reaction • Natural substrates of an enzyme 	Provide key information regarding the natural function of the enzyme.
Inhibitor screening and design	<ul style="list-style-type: none"> • Virtual screening of enzyme inhibitors • High-throughput screening of inhibitors • Structure-based inhibitor design • Ligand-based inhibitor design 	Helpful in drug discovery, basic research and industrial applications.
Target enzyme identification	<ul style="list-style-type: none"> • Enzyme screening against substrates • Identification of a target enzyme 	Helpful in medical, diagnostics, and metabolomics.
Ligand screening and identification	<ul style="list-style-type: none"> • Screening of enzyme activators • Evaluation of cofactors and additives • Detection of enzyme aggregation and oligomerization • Enzyme folding facilitators 	<ul style="list-style-type: none"> • Helpful in enzyme stabilization, storage, and reaction optimization. • Helpful in correcting enzyme folding and enzyme stability.

Workflow



Features

- **Advanced:** state-of-the-art candidates handling and tracking
- **Extended screening platform:** 240,000 compounds, with 3 library subsets designed for specific screening needs
- **Updated:** each candidate is up-to-date, less than 2 years old at the time of selection
- **Reliable:** candidates have been rigorously selected to exclude undesirable features
- **Development-ready:** all candidates or building blocks are available in trial sizes

For more enzyme-related products and services, please visit our website:
<https://www.creative-enzymes.com>