

KINASE SCREENING

Overview of Capabilities

Broad Service Scope

- Assay Development
- High-Throughput Screening
- Compound Screening for SAR
- Selectivity Panel Profiling
- Enzyme Kinetics
- Compound Mechanism of Action
 - Mode of inhibition and K_i
 - Compound reversibility
 - K_{on} and K_{off}
 - K_i and K_{inact}

Multiple Assay Platforms

- Caliper Mobility Shift Assay
- TR-FRET Assay
- Luminescent Assay

Service Highlights

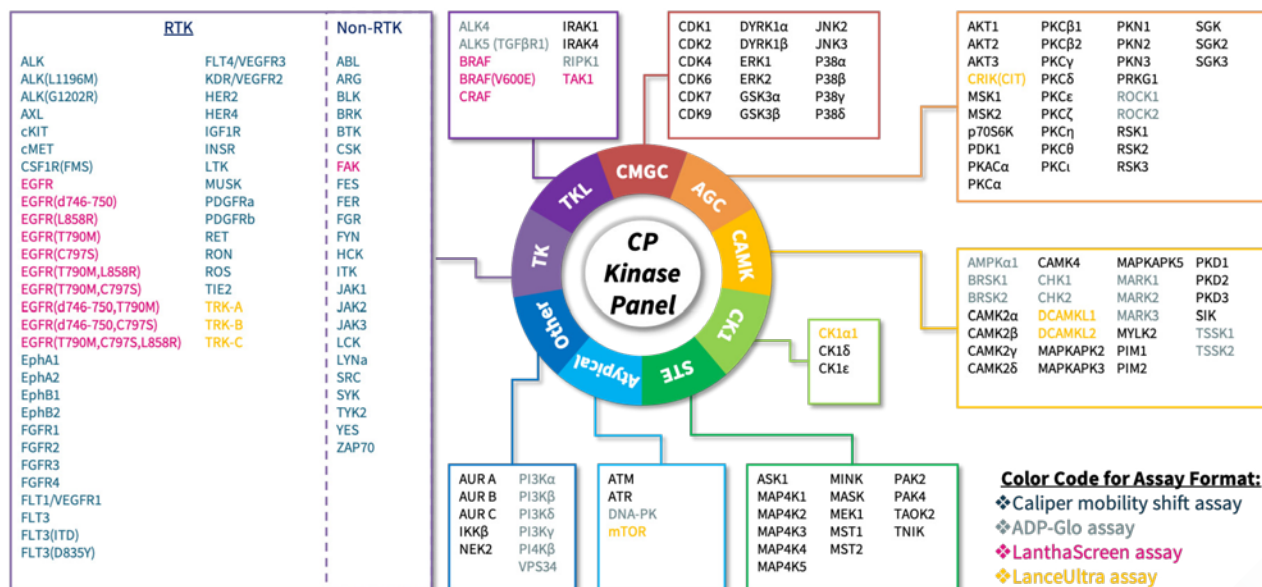
- High Performance on Data Quality
- Fast Turnaround Time
- “Custom-design” Assay Development

Kinase Target Classes

- Cytoplasmic Tyrosine Kinases
- Receptor Tyrosine Kinases
- Serine Threonine Kinases
- Other Kinases



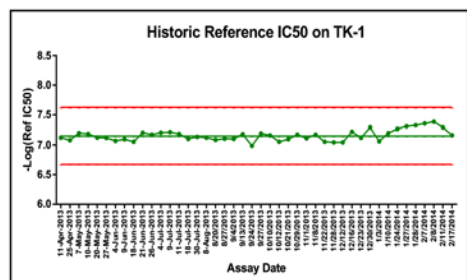
Drug Discovery in Kinase



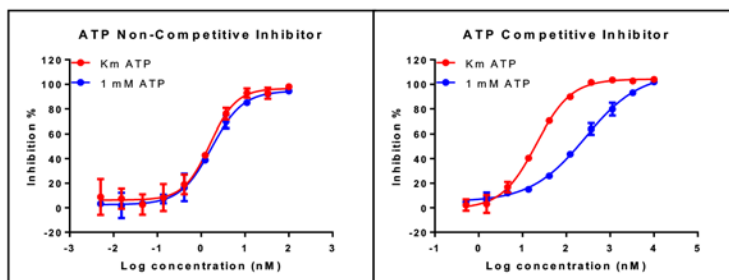
All assays listed above are developed and validated at ChemPartner. For targets not listed, please inquire.

High Quality Data & Fast Turnaround Time to Support SAR

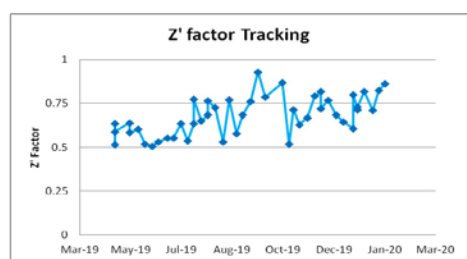
Reference IC50 tracking



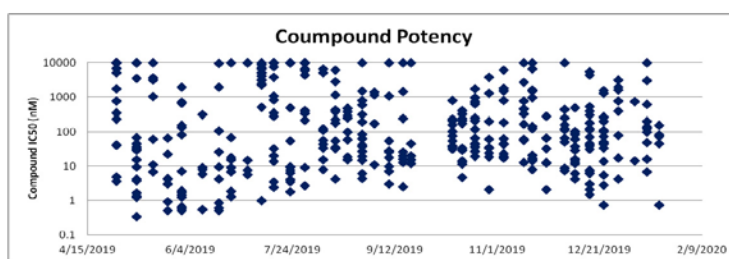
Quick Analysis on ATP Competitiveness



Z' factor tracking

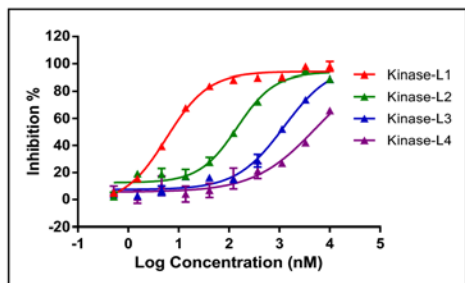


Compound Potency Improvement Over Time

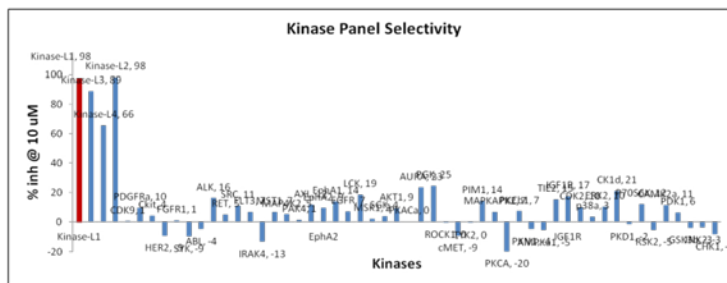


Kinase Panel Profiling for Compound Selectivity

Selectivity Among Isoforms



Kinase Panel Profiling



Mechanism of Action Researches on Enzymology

Compound Modality of Inhibition

