

ADME/T

ChemDiv is a leading provider of ADME/T screening and development programs. We offer standardized and custom programs, led by experienced PhD-level scientific staff, backed up by processes that deliver fast cycle times.

ChemDiv Inc. provides a range of in vitro ADME/T assays to evaluate and improve metabolism, bioavailability, pharmacology, and toxicology characteristics of compounds during early stages of hit expansion and lead optimization. Our researchers develop, validate, and apply different modern methods for the early ADME/T testing of potential drugs under development.

PHYSICOCHEMICAL PROFILING

- cLogP, polar surface area, and other physchem parameters;
- Solubility in Aqueous Solutions with different pH;
- PAMPA (Parallel Artificial Membrane Permeability Assay);
- CACO2 permeability (basal-apical/apical-basal)

BIOCHEMICAL PROFILING

- Plasma protein equilibrium binding (different species)
- CYP Inhibition/ CYP induction
- Microsomal metabolism
- Metabolites identification

CELL-BASED TOX PROFILING

- Cytotoxic Effects
- Cytostatic Effects
- hERG inhibition
- Cell growth kinetics
- Apoptosis induction

In vivo DMPK

- PK (IV/P0) in different species
- Efficacy models
- PK/PD in same animals