

# Metabolism Services

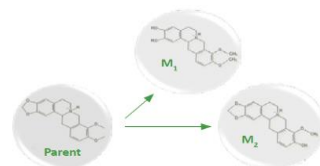
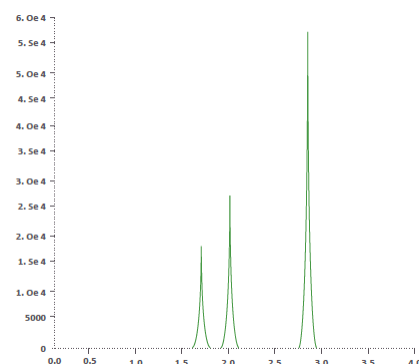
Pharmaron has been supporting metabolism studies for regulatory submission for over 20 years. With state-of-the-art metabolite detection equipment and rigorously qualified test systems, we can fully characterize your compounds for potential drug-drug interactions or species-unique metabolites.

## Screening/Lead Optimization

- Metabolic Stability
- Metabolic Stability with Metabolite Detection
- Tox Species Selection
- Reactive Metabolite Detection (GSH-KCN Trapping)
- CYP Reversible Inhibition
- CYP Time-Dependent Inhibition
- Supplementary Scopes of Work

## Definitive/Submission Ready

- Comprehensive Metabolite Profiling and Structure Elucidation
- ABME (Abundant Biological Metabolite Elucidation)
- BMO (Biomimetic Oxidation)
- CYP Induction
- CYP Phenotyping
- CYP Reversible Inhibition +/- Chemical Inhibitors, Utilizing Supersomes
- CYP Time-Dependent Inhibition



## Flexible Met-ID Study Designs and Deliverables

- Detection of putative metabolites at screening level
- Comprehensive metabolite profiling and structure elucidation
- Supplementary scopes of work allow for integration of metabolite ID services into routine PK, CYP Induction or routine bioanalysis
- Detection of human-specific metabolites in preclinical species
- Cross-species evaluation for unique and disproportionate metabolites
- Generate Metabolites for Focused Testing
- Abundant Biological Metabolite Evaluation (ABME) to isolate metabolites from biological samples for testing of their pharmacological activity
- Biomimetic oxidation (BMO) to generate metabolites in milligram quantities for DDI testing