



**ADME &
BIOANALYSIS
CAPABILITIES**



ADME/Bioanalysis Laboratory

Scope of services

Physico-Chemical Profiling

- Kinetic Solubility
- Thermodynamic Solubility
- Lipophilicity (LogD/LogP)
- pKa determination

in vitro Metabolism Studies

- Microsomal stability
- S9 Stability
- Hepatocyte Stability
- Plasma Stability
- Metabolite Profiling and Identification

CYP Studies

- Inhibition of the cytochrome P450 isoform activity (IC50, screening)

in vitro Binding Studies

- Plasma Protein Binding - Rapid Equilibrium Dialysis
- Plasma Protein Binding - High Sensitivity Binding Kit
- Tissue Binding - Rapid Equilibrium Dialysis

in vitro Permeability Studies

Passive Transport Assessment

- PAMPA GI, BBB

Active Transport Assessment

- Caco-2 Permeability
- MDR1-MDCKII Permeability



Scope of services

- **Bioanalytical Method Development/Transfer**
- **Bioanalytical Method Verification**
- **Bioanalytical Method Validation**
- **Qualitative Analysis**
- **Quantitative Analysis**

Matrices: Plasma and Tissue Homogenates

Equipment:

State of art highly sensitive instrumentation

- Altis ESI/APCI TSQ (Thermo Fisher Scientific)
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- Q-Exactive Focus Q-FT-HR-MS/MS (Thermo Fisher Scientific)
- Q-Exactive Plus Q-FT-HR-MS/MS (Thermo Fisher Scientific)
- LCMS-8050, ESI/APCI-QQQ (Shimadzu)
- LCMS-6470 ESI/APCI-QQQ (Agilent)
- AmaZon SL, ESI/APCI-IT (Bruker)
- AmaZon Speed ESI/APCI-IT (Bruker)
- Sirius T3 (PION)





THANK YOU FOR ATTENTION!

Get in touch with us: sales@selvita.com



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