

Advanced ADME Services for Accelerated Drug Discovery

At o2h Discovery, we offer tailored in vitro ADME services to support small molecules, peptides, lipids & nucleosides. From early discovery to candidate nomination, our flexible workflows deliver reproducible, decision-enabling data aligned with your medicinal chemistry and biology efforts accelerating your molecule's path to the clinic.



12+ Years of Experience



> 1000 ADME Studies Each Year



Large Scientific Team



Integrated with Chemistry & Biology

Comprehensive ADME Assay Platforms

Our ADME screening service can provide customised solutions to solve complex druggability issues throughout the early discovery and development phases with speed, quality, and cost effectiveness.

Physicochemical Properties	Drug Metabolism	Permeability & Drug Transporters Services	Drug-Drug Interaction	Distribution
<ul style="list-style-type: none"> Solubility (kinetic, thermodynamic, FaSSIF, FeSSIF, FaSSCF, simulated lung fluid) Lipophilicity (LogP, LogD, Chrom LogD and pKa) Stability (buffer, pH, plasma) 	<ul style="list-style-type: none"> Microsomal stability Non-CYP mediated Metabolism S9 stability Hepatocyte stability sEH stability Metabolic identification L-Glutathione stability GSH conjugation Cathepsin cleavage 	<ul style="list-style-type: none"> PAMPA CACO2- permeability MDCK-MDR1 permeability MDCK-WT permeability P-gP transporter in CACO2 and MDCK BCRP substrate identification BCRP inhibition MDCK-BCRP permeability OATP1B1 substrate identification OATP1B1 transporter inhibition Hepatic uptake 	<ul style="list-style-type: none"> CYP inhibition CYP induction CYP TDI UGT inhibition SULT inhibition 	<ul style="list-style-type: none"> Plasma protein binding Tissue homogenate binding Blood-plasma partitioning Microsomal binding (Fuinc) Hepatocyte binding (Fuinc)

Customised Assays

Tailored assays to meet niche research needs, including:

- ChameLogK (Bio-availability of 'beyond rule of 5' molecules)
- Cathepsin Cleavage
- Soluble Epoxide Hydrolase (sEH) Stability
- Aldehyde Oxidase (AO) Phenotyping
- Photostability under Stress Conditions
- GST-mediated GSH Reactivity

Instrumentation

- LC-MS/MS Platforms
- Multimode Plate Readers
- HPLCs & UPLC
- Liquid Handling Systems
- Cold Storage & Reagent Management

Why o2h discovery?

Our unique points-based system provides an easy-to-use and cost-effective way to access flexible ADME services: get the economies of scale & the flexibility you need, without all the paperwork.



Experienced scientists with deep domain expertise



Clear, reproducible, and flexible reporting



Customisable workflows for small molecules, peptides, and beyond



Our ADME services align with chemistry and biology to deliver cohesive insights



Agile team and rapid turnaround ideal for fast-moving biotechs

Contact us



o2hdiscovery.co



discovery@o2h.com



[o2h-discovery](#)



[o2h_discovery](#)



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