



Selcia Drug Discovery

We aim to be your CRO of choice - applying efficient solutions to your discovery programmes and delivering quality drug candidates for you to develop

High Quality Medicinal Chemistry

Quality and commitment to your project are our top priorities. We have a track record of successful delivery of robust drug candidates.

Drug Discovery Expertise

Our staff are drawn from large pharma, biotech and leading institutions and have drug discovery expertise across all major disease areas and target classes.

Primary Pharmacology & ADME

We provide assay development, pharmacology and ADME services that enable an efficient screening cascade and integrated drug discovery service.

Analytics

Comprehensive analytical services are co-located on site, offering a seamless interface and rapid turnaround.

Compound Libraries & Screening

Proprietary libraries and screening technologies can be used to obtain additional leads against difficult targets.



Selcia Drug Discovery

Selcia Discovery offers the expertise required to execute your drug discovery plan efficiently and successfully

- Disease expertise: anti-infectives, inflammation, CNS, pain, metabolic, oncology and ophthalmology
- Target classes: GPCRs, ion channels, enzymes, isomerases
- Grant funding expertise: Wellcome Trust SDDI, TSB, etc.
- Network: CRO and academic alliances
- Integrated drug discovery: Selcia project leaders are available to manage your programme

Strategy

Medicinal Chemistry

MedChem expertise: small molecule drug discovery, macrocycles, prodrugs, scale up, labelling

Compound libraries: proprietary fragment library, natural product library

Structural & modelling: PyMol

Analytics: 300, 400 & 500 MHz NMR, LC-NMR, LC-MS/MS

Specialist purification team: problem solving, HPLC, HPLCCC, SFC, MDAP

Alliances: computational tools, crystallography

ADME

***In silico* prediction:** Accelrys predictive suite (pKa, LogP, LogD, PSA, toxicity)

***In vitro* ADME:** P450, metabolic stability, protein binding, solubility

Bioanalysis: PK by LC-MS/MS, metabolite ID

Alliances: *in vivo* pharmacokinetics

Pharmacology

Assay technologies: biochemical and cell-based assays, including FRET, FP, OD, luminescence, ELISA, label-free, enzymology, Capillary Electrophoresis Screening

GMO Class II facilities

Cell biology expertise: transgene expression, clonal & primary cell culture, whole cell functional assays

Alliances: protein production, *in vivo* pharmacodynamics, disease models

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About Selcia

Selcia Limited is a leading provider of contract research services in drug discovery and ¹⁴C radiolabelling, with a GLP analytical laboratory, based in Ongar, Essex, UK.

Selcia drug discovery provides integrated drug discovery services to support academics, charities, biotech and pharma companies. Selcia execute the medicinal chemistry to deliver the best drug candidates, provide pharmacology, ADME and supporting project management, including assistance with grant applications, to ensure project success.

Selcia radiolabelling specialises in ¹⁴C GMP radiolabelling and produces ¹⁴C radiolabelled compounds for a global customer base encompassing both the life sciences and chemical industries. Applications of the radiolabelled products prepared by Selcia include: preclinical and clinical drug metabolism studies; mass balance, microdosing, research and regulatory studies; and environmental fate studies.