

MedChem Partners at a glance

General MedChem Partners is a unique medicinal chemistry service provider. We offer immediate access to experienced medicinal chemists and fully functional chemistry infrastructure to answer questions, follow leads, or do exploratory work, on demand. MedChem Partners prides itself on its ability to multi-task and to interface with our clients in a collaborative multidisciplinary manner. Our goal is to provide instant access to chemistry with the speed, flexibility, and efficiency of an internal chemistry department.

MedChem Partners Advantage: As opposed to a typical CRO, MedChem Partners is uniquely structured to meet the challenges of the ever-changing environment of drug discovery and the demands of its clients. MedChem Partners initiates projects rapidly (usually within a week) and is quite flexible with the ability to change project direction on-the-fly. In addition, MedChem Partners is willing to pursue a wide variety of projects, including highly speculative early stage discovery projects. Being a small company with its roots in the biotech start up arena, MedChem Partners has a unique perspective on the implementation of medicinal chemistry and custom synthesis in the fast-paced, resource limited world of early stage medicinal chemistry. This gives MedChem Partners a particular advantage when dealing with small start ups, virtual biotechs and research institutions. MedChem Partners excels at initiating and executing projects rapidly, while maintaining close communications with our clients.

Medicinal chemistry services: MedChem Partners provides services in all aspects of medicinal chemistry, from early stage hit generation, validation and proof-of-principle studies to late stage lead optimization. Our experience ranges from project inception and resource identification to synthetic route planning and library synthesis. We can perform a variety of laboratory tasks from small and routine, such as lyophilization, LC/MS, NMR, salt switching, etc.; to large and complicated, such as chemical modification of existing drugs or natural products, synthesis of reference compounds, generation of SAR series, or the like. Some of the medicinal chemistry services offered include: scaffold hopping, hit explosion, SAR development and lead generation, optimization of ADME, exploratory chemistry to validate synthesis of new scaffolds, metabolite and stable isotope synthesis, cold route finding in support of radiochemistry, and exploratory pre-formulation.



Project and Program Management

Project management of medicinal chemistry programs: MedChem Partners will work with the client to help define milestones, go-no go decision points and criteria for synthesis and testing of compounds. If biological testing outside the client's facility is required, MedChem Partners will help find service providers that can provide the required testing. MedChem Partners will help the client develop project outlines and set expectations and timelines for all aspects of the project. In addition, MedChem Partners will help identify external resources that will be useful to the project and help communicate and manage external vendors as needed. MedChem Partners can also offer inventory management and packaging and shipment of clients compounds for companies that are virtual or have limited storage capacity.



Identifying the critical tasks specific to each stage of discovery and development is crucial to success of the project. MedChem Partners can assist in the completion of the required tasks at each step of the process.

Tasks:

- Establish screening criteria
- Properly validate screens
- Choose proper reference compounds
- Identify hit as drug-like
- Evaluate chemistry for potential pitfalls
- Source starting materials
- Define hit-to-lead strategy

Tasks:

- Establish efficacy and PK criteria
- Evaluate IP space
- Optimize lead for efficacy
- Optimize lead for PK and physico-chemical properties
- Expand assay panel
- Develop SAR
- Develop patenting strategy
- Define back-up compounds

Tasks:

- Establish Go/No-go criteria
- Develop formulation
- Early dose range finding
- Determine tox species
- Animal efficacy and PK
- Continue optimizing for PK and physico-chemical properties
- Define preclinical development strategy
- Continue to expand assay panel

Project management of off-shore chemistry CROs: MedChem Partners will design and validate the synthesis of the target compounds and will provide SOP to the off-shore CRO. MedChem Partners will facilitate the technology transfer to the off-shore CRO and manage the interactions with the chemists to insure that the client's goals and timelines are met. MedChem Partners will trouble shoot the project's technical challenges, as they are encountered by the off-shore CRO.

Pricing: MedChem Partners uses the "all inclusive" concept of pricing. This means that For FTE based contracts we do not add on fees for supplies, reagents, and consumables; with the exception of add-on requests, certain shipping fees, and certain specialty starting materials, the quoted price is your actual price.

Highlights

- **Modern Facilities:** 300 MHz NMR, LCMS, biotage SP1 and SP4
- **Information access:** Scifinder, ACD, online journals
- **Experience:** chemists with a minimum of 10 years industrial experience
- **Speed:** rapid turnaround, project initiation with little or no lead time
- **Flexibility:** rapid change of direction, exploratory projects, rolling milestones
- **Scalability:** no minimum FTE requirements, team can grow or shrink as needed
- **Affordability** MedChem Partners uses the all inclusive concept for pricing
- **Reliability** over 80% of our clients place repeat business with MedChem Partners