

Medicinal Chemistry Services

Wuxi's large and well equipped medicinal chemistry teams are lead by senior medicinal chemists with proven track records in US. Fast compound synthesis and timely on site evaluation in bioassays, DMPK, and tox significantly shorten SAR cycle times. The best minds in drug design coupled with operation efficiency allows WuXi successfully and expeditiously conduct hit id, hit to lead, and lead optimization projects.

What we do:

We conduct patent literature review and generate fast follow strategies. We perform fast chemistry to triage multiple HTS hits. We optimize multiple parameters such as activity, selectivity, patentability, DMPK, and tox to generate preclinical candidates.

Who we are:

Our medchem teams are lead by accomplished medicinal chemists returned from US featuring Drs. Shuhui Chen, Richard Soll, Tao Guo, Chengde Wu, Eric Hong, and Jane Wang. We also have >25 group leaders level med chemists that have gone through extensive MedChem training and successfully completing one or more medChem projects at WuXi. This plus a massive number of strong synthetic chemists with interest in medChem makes our medChem team very productive.

What do we have:

Databases: ThompsonPharma, SciFinder, and Beilstein; CADD capabilities, protein crystallography, SFC, Q-patch, liquid handler, and massive numbers of NMR, HPLC and mass spectrometers.

What we have accomplished:

- Rapid expansion of customer base for Integrated Programs
- Continuing expansion on integrated programs from KEY customers
- More than 40 MedChem programs on-going simultaneously in 2010
- More than one dozen of programs achieved milestones from Hit-to-Lead to Lead Optimization
- Over 20 programs at Lead Optimization stage
- Multiple PCCs achieved already in 2010 and many more PCCs are in sight



WuXi AppTec is a global leader in providing discovery, testing and manufacturing services for the pharmaceutical, biotechnology and medical device industries. Research-driven and customer-focused, with operations in China and the U.S., WuXi AppTec offers a broad and integrated portfolio of services designed to assist our customers with cost-effective and efficient outsourcing solutions.

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