

# Synthetic Chemistry Services

*Flexible on using FTE (Full-Time-Equivalent) or FFS (Fee-For-Service) collaboration model*

With full synthetic chemistry capabilities, WuXiAppTec's strong and experienced scientific leadership team and over 1,600 chemists are dedicated to creating molecules per our clients' needs.

## Custom Synthesis of Individual Compounds

Quick response for quote request within 2 days

Complex molecule synthesis, such as kazuamycin A, Eudistomin analogs, BILN-2061, Aliskiren, etc., via >30 synthetic steps

Proven record of over 100,000 individual compounds synthesized in gram to kilogram quantities

On time delivery with overall > 95% Success rate

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.

**WX**  
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**NYSE**

## Customized Diverse Library Design and Synthesis

1,000,000 compounds of annual library capacity, with each compound >10 mg and >85% purity

Library design and virtual screening with drug-like properties by CADD group

High throughput and efficient compound purification & handling

Library enrichments; focused screening; analog libraries based on parallel synthesis

## Drug Like Templates & Catalog Reagents

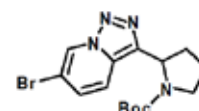
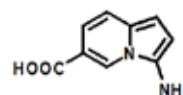
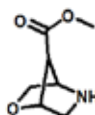
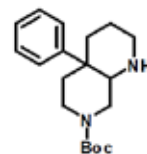
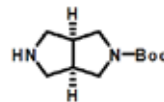
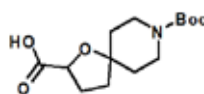
Novel templates for libraries and analogs possessing drug like cores

Targeting major drug classes including enzymes, GPCR, ion channels

Nearly 400 templates available with spirocycles, bicyclic cores, bridged rings

> 1500 templates designed with proven biological activities

More than 400 catalog reagents available



For more information on WuXi AppTec's services please contact:

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# Medicinal Chemistry Services

**W**uxi's large and well equipped medicinal chemistry teams are led 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, Charles Ding, 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 such as ThomsonPharma, SciFinder, DiscoveryGate 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



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