

## Chemistry Services

Pharmaron's chemistry services encompass the full spectrum of drug discovery, from hit identification through lead optimization and early chemical development. Our experienced chemistry management team and dedicated staff are well-equipped to meet our customers' needs. Any of our R&D services can be contracted individually as a stand-alone project or combined as part of a fully-integrated program.

### Synthetic Chemistry

- Multi-step synthesis
- Heterocyclic chemistry
- Focused libraries
- Novel scaffolds
- Organometallic chemistry

### Bioorganic Chemistry

- Nucleosides
- Lipids
- Carbohydrates
- Peptides

### Chiral Chemistry

- Asymmetric synthesis
- Chiral separation
- Chiral resolution

### ChemInformatics

- Project & data management
- Electronic notebook & protocol

### Medicinal Chemistry

Support Hit ID, lead generation (LG) and lead optimization (LO) programs

- Scaffold mining and design for hit ID
  - Competitive landscape analysis for new programs
  - Preliminary IP analysis on newly designed scaffold
  - Route design and exploration for new scaffold
  - Diversity assessment
- Synthesis of focused library for LG and LO
- SAR analysis based on both *in vitro* and *in vivo* data
- Computer-assisted drug design and diversity analysis
- Scale up to support *in vivo* efficacy and toxicity studies
- Assisting patent filing for/by clients
- Project management

#### Contact Us

For more information on how Pharmaron can assist with your drug discovery & development programs in a cost-effective and quality manner, please contact us.