



Aptuit Verona

## FACTSHEET



### Discovery and Medicinal Chemistry Service - Aptuit Verona

Aptuit's strategy is to work with our clients to develop innovative, robust, and cost-effective chemistry for candidate selection and scale-up. Aptuit utilizes *de novo* design (in conjunction with computational chemistry) and High Throughput Screening (HTS) to develop and refine hits and leads. Aptuit employs state-of-the-art technology and systems, including parallel synthesis, solid-phase synthesis and flow-chemistry, to quickly and efficiently deliver a robust synthetic route. Our integrated approach, working closely with colleagues in Biology and Discovery DMPK, allow us to produce high-quality candidates and reduce candidate attrition rates. We have experience and expertise in a wide variety of target types including: GPCR targets, ion-channels, transporters and enzymes.

#### Aptuit's Discovery and Medicinal Chemistry Group services:

##### Target Discovery and Biology

- Target distribution
- Target functional characterization
- Electrophysiology in cells and integrated systems
- Native tissues, cell lines and primary cells
- Animal model development
- Range of validated CNS models

##### Medicinal Chemistry

- Computational chemistry
- Rational drug design
- Structure-activity relationship
- Array synthesis
- Synthesis of discrete compounds

#### Lead Characterization & Screening

- Structural characterization of complex molecules
- Screening of physicochemical properties

#### Additional Aptuit Capabilities

Aptuit offers a comprehensive suite of drug development services that range from candidate selection through to market, including consultancy services, API development and manufacture, preclinical and clinical technologies, pharmaceutical services, large and small scale manufacturing, IVRS, clinical packaging and logistics, and clinical support services, across a wide range of compounds, dosage forms and delivery systems.

For information about Aptuit's services, please call or email:

+44 131 451 2451 Europe

+1 816 767 3900 North America

email: [info@aptuit.com](mailto:info@aptuit.com)

visit our website: [www.aptuit.com](http://www.aptuit.com)

**Engineering a better drug development process through scientific excellence.**