

# Medicinal Chemistry Services

## Elevating Drug Discovery Success: Empower Your Program with Our Med Chem Services

The selection of optimal hits holds immense importance in drug discovery, exerting a profound influence on program success. By increasing the likelihood of identifying the ideal hit compound, minimizing time and cost, mitigating failure risks and enhancing the prospects of developing a successful drug candidate, this critical process shapes the trajectory of drug development. Our medicinal chemistry services are dedicated to equipping our clients with comprehensive insights into their hits. Our services not only add value to early-stage drug discovery programs but also serve as a steadfast support for key decision-making processes.

### Hit Qualification Package

Our Hit Qualification package offers a comprehensive solution for meticulously characterizing identified hits, providing our clients with vital information to make well-informed decisions regarding hit selection and follow-up activities.

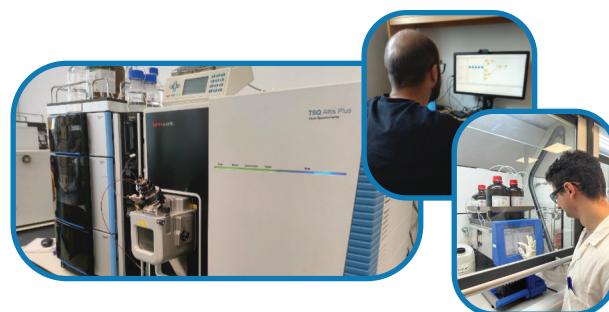
Unlock the power of informed decision-making and optimize your drug discovery journey with our robust qualification framework.

### Medicinal Chemistry Support

- SAR analysis
- IP position analysis
- Synthesis of non-commercial analogues
- Chemoinformatic support
- Medicinal chemistry consultancy (e.g. direction of outsourced activities, etc)

### Preliminary ADME package

- *Absorption*: PAMPA permeability assay
- *Distribution*: plasma protein binding
- *Metabolism*: microsomal stability
- Kinetic solubility
- Lipophilicity
- Chemical stability



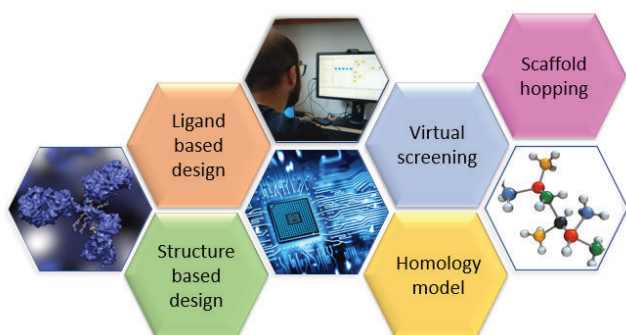
### Computational chemistry, data analysis, Innovation

At our forefront, we employ cutting-edge computational chemistry techniques to facilitate the identification, selection and prioritization of hits for our clients.

Our expertise lies in generating, elaborating and maintaining a wealth of data, providing crucial information to expedite program advancement.

Our comprehensive range of activities includes:

- Computational studies (e.g. virtual screening, scaffold hopping, modeling, ADME/Tox prediction, etc.)
- DB maintenance and code assignment
- Data analysis/chemoinformatics



### Medicinal chemistry consultancy

With a team of highly trained and experienced scientists, we offer expert advice and guidance for early-stage medicinal chemistry programs. By leveraging the collective expertise of our professionals, we empower organizations to optimize their drug discovery strategies.

Our comprehensive range of activities includes:

- Data analysis
- Chemical analysis and interpretation (e.g. NMR, LC-MS, quality control, optical resolution, etc.)
- Decision making processes (e.g. hit selection and follow-up)
- Direction of outsourced work as part of a "hybrid/virtual model"

All data and images generated at Axxam