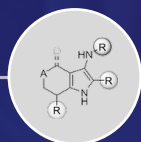
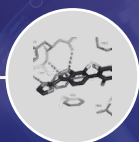


DMPK Consultancy



Chemistry



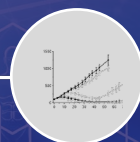
CADD



DMPK



Modelling



Biology

Our DMPK Consultancy team provides clients with the insight and guidance needed to make confident, data-driven decisions throughout discovery and development.

By combining our scientific expertise with world-class experimental capabilities, we deliver both the strategy and data required to advance candidates with confidence.

Workstream Options

Strategic Guidance

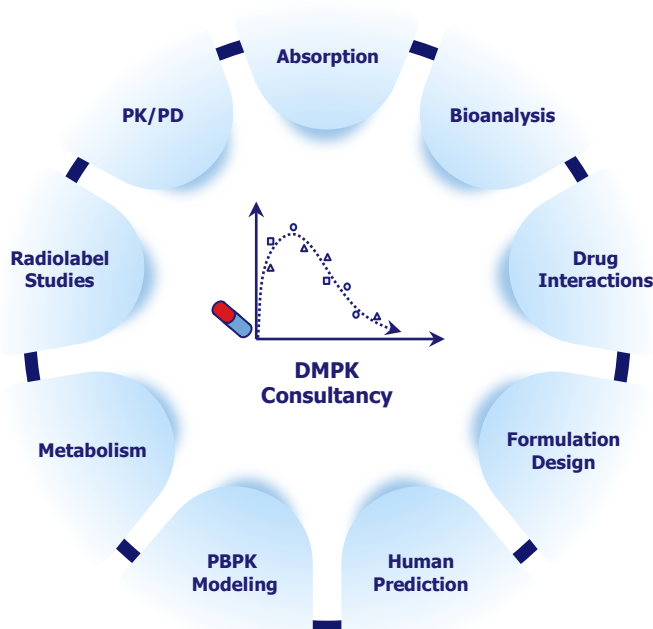
- **Troubleshooting** and providing strategies for bespoke PK/ADME problems
- Ensuring data packages are “**milestone ready**” and decision-enabling
- Assessment of **developability** potential and providing risk mitigation strategies
- **Regulatory**-aligned DMPK strategy for IND preparation

Operational Support

- **Design** and conduct of required experiments
- Integrated PK and pharmacology workstreams for **translational PK/PD** and **biomarkers**
- **Prediction of human PK and dose** including **PBPK** modelling & simulation
- Integrated **PK and formulation development** enabling preclinical, toxicology and clinical studies

Our DMPK consultants offer decades of hands-on experience across pharma and biotech, contributing to multiple IND and NDA successes.

With broad expertise spanning diverse modalities and therapeutic areas, we efficiently move our client's programs forward.



High Impact Work Package Examples

1 Improving Molecule Properties in Discovery Phase

Lead Identification

Chemical Series

- Define issues
- Rank series potential
- Profiling of leads

Lead Optimization

Individual/ Cluster Compounds

- Multi-parameter optimization
- Resolve issues

Candidate Nomination

Prioritized Shortlist

- In-depth profiling
- Definitive human predictions
- Developability assessment

Multi parameter optimization / ranking

Integrated optimization including:

- Evolving human dose prediction
- Maximum absorbable dose (oral)

Bespoke PK & dose prediction

2 PBPK Modeling and Simulation to Optimize and Predict Drug Behavior

Discovery – Candidate

- Parameter sensitivity analysis on drug properties focusing on PK optimization
- Human PK projections to drive project decision-making

Preclinical – Clinical

- Human PK projections enabling FiH
- Optimizing absorption and formulation strategies for toxicology and clinical studies
- Simulating clinical population variability

- Simulating formulation and food effects to guide absorption and dosing strategies
 - Drug-drug interaction (DDI) evaluation
 - State-of-the-art industry standard software

3 Integrated DMPK & Formulation Development

Developability Assessment

- Initial developability assessment
- DCS classification
- Maximum absorbable dose

Absorption Optimization

- Optimal formulation design & testing
- PK evaluation
- PBPK modelling and simulation



Book an initial conversation to explore how we can support your drug discovery journey.

