



Discovery Pharmacology

Health Inspired, Quality Driven.

Fast selection of new potential candidates is determinant - as the recent pandemic event has shown us again. Selection is driven by the efficacy of the compound on the target, as well as the PK/PD profile. In addition, parameters such as metabolic stability, protein binding, ability to pass the blood brain barrier are essential in the decision-making process to further develop a compound.

Fast Turnaround BioAnalysis is crucial, to allow fast decision in case of dose escalation studies, dose regime adaptations, as well as in case of adverse events. Once clinical candidates are selected, first in man studies allow to determine the efficacy and safety profile of the drug.

Our bioanalytical platforms include Fast Turnaround Services, from discovery over preclinical to clinical bioanalysis using LC-MS/MS as well as binding based technologies for pharmaceuticals and biologics.

Discovery Pharmacology in fast turnaround mode

- Early PK: Bioanalysis using a generic proprietary method in all type of matrices from different type of species (mouse, rat, rabbit, dog, guineapig, minipig etc.) with turn Around Times of 4 – 6 working days possible
- Early formulation: in vitro/in vivo Bioanalysis of early formulation in all type of matrices
- PTM characterization for biologics in early formulation development studies
- Protein binding in cassette modus: Equilibrium Dialysis experiment with up to 5 compounds analyzed in parallel in different matrices
- Protein binding mechanistic studies: Equilibrium Dialysis experiment to study the possible concentration dependency of the protein binding
- Metabolic stability analysis: Bioanalysis of samples treated with microsomal extracts at different time points
- Simulated blood brain barrier passage test: permeation penetration test using permeable membranes and analysis UV
- Simulated gastrointestinal stability test: Analysis of compounds under stressed condition at different pH and temperatures

From BioAnalysis of hit compounds over selection of leads to clinical candidates - fasten your process of candidate identification with SGS Analytical Services Switzerland AG.

Contact us

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WHEN YOU NEED TO BE SURE

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