

Special Issue

Research on Drug Metabolism and Disposition

Message from the Guest Editor

A thorough understanding of the metabolism and disposition of small-molecule drug candidates is essential for their successful nomination and performance in clinical development. However, current drug design trends favor metabolically stable compounds, making it challenging to predict in vivo clearance and enzyme contributions based on in vitro assays. Additionally, traditional in vitro systems like liver microsomes are increasingly questioned due to discrepancies with intact cell and in vivo data. The rise of 'beyond-rule-of-5' compounds further complicates the use of standard in vitro assays, including those for protein binding assessment.

Guest Editor

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