Special Issue

Research on the Prediction and Optimization of the Solubility and Permeability of Biopharmaceuticals

Message from the Guest Editors

The Biopharmaceutical Classification System (BCS) is widely used by both regulatory agencies and the pharmaceutical industry. This classification considers the solubility and permeability of drugs. The development of in vitro biopredictive methods for estimating the solubility and permeability of pharmaceutical formulations is a topic of general interest, particularly in recent years. The formulation of pharmacological molecules in conjunction with solubility enhancers and intestinal permeability enhancers is common practice today. These methods are especially useful for the optimization of these formulations before advancing to later stages of the drug development process. This can help provide patients with safer, effective, and high-quality medication in less time and at a lower cost. In this Special Issue, we aim to highlight recent advances in drug formulation development and biopredictive tools to analyze liberation and absorption processes. We welcome original research and review articles highlighting the latest advances in dissolution and permeability tests.

Guest Editors

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