

Special Issue

Intestinal Drug Absorption

Message from the Guest Editors

Dear colleagues, In spite of the recent advances in alternative routes of drug delivery, oral drug administration remains the method of choice for the treatment of numerous diseases. Nevertheless, various factors contribute to the low intestinal absorption and bioavailability of orally administered drugs. Several strategies have been developed to overcome the solubility and permeability issues of drugs with oral bioavailability problems. While some common approaches combine enzymatic inhibitors with absorption modification excipients or chemical permeation enhancers, others focus on developing lipid nanoparticle multisystems. The implementation of in vitro and in silico predictive tools, followed by in vivo evaluation, is thus mandatory for increasing the success of drug discovery and development programs. This Special Issue aims to address the obstacles of intestinal drug absorption, novel strategies that are under current investigation, and the efforts that are being made to develop biorelevant methodologies to accurately predict oral drug absorption.

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