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Pharmacokinetic Processes of Active Substance in Drug Formulations

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Message from the Guest Editor

Pharmacokinetic-driven drug formulation is gaining more and more importance in novel drug research and development programs. One of the reasons for this is to be found in the physico-chemical properties of the active ingredient candidates, where mainly poor solubility and/or absorption is a challenge. Another possible reason can be related to various protein and enzyme-related PK problems, such as increased plasma protein binding, metabolism and active transport mechanisms. In the face of these problems, there are already many formulation solutions with a new approach available, the knowledge and repertoire of which we would like to enrich with the present Special Issue. In this Special Issue, in addition to the new drug formulation and drug delivery systems, we are also expecting the presentation of novel in vitro, in vivo and ex vivo test methods or mechanistic approaches that can be linked to ADME processes, which present dissolution, drug release kinetics, in vitro/ex works related to vivo permeability studies specifically for formulation strategy or test systems for alternative drug delivery routes for drug targeting, smart drug delivery.



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Special Issue



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Message from the Editor-in-Chief

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