

Special Issue

Self-Emulsifying Drug Delivery System

Message from the Guest Editor

To date, there has been growing interest in the use of self-emulsifying drug delivery systems (SEDDS) for the development of pharmaceutical dosage forms. SEDDS comprise an optically stable isotropic mixture of a drug, natural or synthetic oils, solid or liquid surfactants, co-surfactants, and/or cosolvents, which generates ultrafine oil droplets upon dilution with an aqueous phase under mild agitation. After self-emulsification in the presence of the aqueous phase, SEDDS provide an ultrafine oil droplet with a large interfacial surface area, which results in the incorporation of poorly water-soluble drugs into fine oil droplets, leading to accelerated drug absorption. In addition, surfactants and cosolvents in the formulations play an important role in improving the transcellular absorption of the drug by increasing the membrane fluidity and permeability.

This Special Issue aims to collect research and review papers on SEDDS applications in the pharmaceutical field. We invite researchers and drug developers to publish their original research or review articles with expert opinions and perspectives in the area of therapeutics.

Guest Editor

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