



Solubilization and Dissolution Enhancement of Poorly Soluble Drugs

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Deadline for manuscript
submissions:

closed (31 May 2020)

Message from the Guest Editor

Dear Colleagues,

New molecules and even existing drugs suffer considerably from low solubility in aqueous media and thereby demonstrate low oral bioavailability. For improving oral bioavailability, numerous pharmaceutical techniques have been developed to enhance dissolution rates and aqueous solubility of the drug. Particle size reduction is frequently employed to increase the dissolution rate of the drug in solid dosage forms, but is generally unable to increase the aqueous solubility. By contrast, solid dispersion systems of a drug can increase the aqueous solubility of a drug as well as its dissolution rates. There have been new attempts to employ lipids as carriers for the development of solid solutions and dispersions. Thus, I consider it is the right time to launch this Special Issue of Pharmaceutics to specifically introduce and highlight current technologies that can overcome the disadvantages of traditional solubilization techniques as well as newly developed approaches to modify the solubility and dissolution behaviors of a drug. Original papers and review articles concerning solubilization and dissolution enhancement of poorly soluble drugs are all welcome.





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Message from the Editor-in-Chief

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