

Special Issue

Cyclodextrin-Based Delivery Systems for Anticancer Drugs

Message from the Guest Editors

Malignant diseases are one of the most powerful diseases of the current century, representing a major cause of death globally. Besides the screening of synthetic molecules with anticancer potential, natural compounds represent a valuable alternative to the limitations of conventional chemotherapy. Natural compounds also face drawbacks that limit their utilization, such as poor water solubility, low dissolution rate, bioavailability, and increased sensitivity to degradation and inactivation. Cyclodextrins are, nowadays, considered valuable pharmaceutical excipients due to their ability to partly or completely include a drug molecule, thus improving the unfavorable physicochemical and the biological properties of the hosted molecule. Currently, the development of improved formulations based on natural and synthetic compounds with increased bioavailability and stability, along with dose reduction and the reduction in adverse effects, represent topical issues. This Special Issue will bring together recent data regarding the role of cyclodextrins in developing improved delivery systems containing anticancer compounds.

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