Particulate Interactions in Dry Powder Formulation for Inhalation (Pharmaceutical Science)

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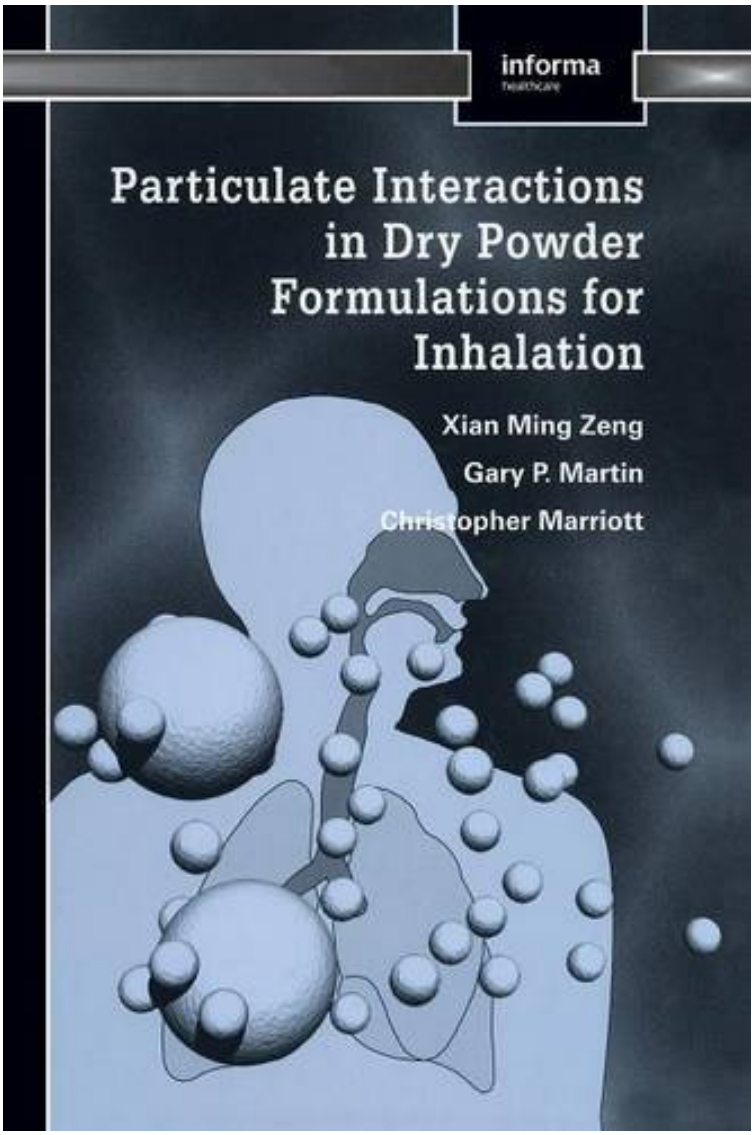

#8510446 in Books Xian Ming Zeng Greg Martin Christopher Marriot 2000-10-26Original language:EnglishPDF # 1 10.00 x .63 x 7.01l, 1.10 #File Name: 0748409602264 pagesParticulate Interactions in Dry Powder Formulations for Inhalation | File size: 28.Mb

Xian Ming Zeng, Gary Peter Martin, Christopher Marriott : Particulate Interactions in Dry Powder Formulation for Inhalation (Pharmaceutical Science) before purchasing it in order to gage whether or not it would be worth my time, and all praised Particulate Interactions in Dry Powder Formulation for Inhalation (Pharmaceutical

Science):

Interactions between drug particulates are crucial in determining drug dispersion and deaggregation, and ultimately delivery efficiency. This book combines principles and factors in pharmaceutical powder technology, critically reviews some of the studies carried out in dry powder formulation development, and proposes possible strategies for improving their efficiency. The majority of these principles are applicable to other pharmaceutical solid dosage forms (e.g. tablets and capsules).

From the Back CoverWith the current trend for phasing out propellant-based aerosols, attention is now focused on the use of dry powder inhalers for drug delivery to the airways. Dry powder formulations have the twin advantages of environmental-friendliness and ease of use. This book addresses the problem of optimising dry powder drug formulations for effective delivery throughout the lungs.Particulate interactions are crucial in determining drug dispersion and deaggregation, and ultimately the delivery efficiency of dry powder inhalers. This book combines principles established in surface and colloidal chemistry, with pharmaceutical powder technology. It discusses some of the factors affecting particulate interactions, and particle-fluid interaction in the respiratory tract. Second, it critically reviews some of the studies carried out in dry powder formulation development, and third, it proposes possible strategies in improving dry powder inhaler efficiency. The majority of these principles are applicable to other pharmaceutical solid dosage forms such as tablets and capsules.Appealing to both research students and pharmaceutical professionals, Particulate Interactions in Dry Powder Formulations for Inhalation provides the most comprehensive single-volume coverage in this area.