Nanocarrier Technologies

Contributing Authors; Preface; Foreword; Acknowledgments; Chapter 1: Bioactive Entrapment and Targeting Using Nanocarrier Technologies: An Introduction 1 M.R. Mozafari; Chapter 2: Archaeosomes as Drug and Vaccine Nanodelivery Systems 17 G.B. Patel and W. Chen; Chapter 3: Solid Lipid Nanoparticles 41 A. Saupe and T. Rades; Chapter 4: Hydrotropic Nanocarriers for Poorly Soluble Drugs 51 T. Ooya, S.C. Lee, K.M. Huh and K. Park; Chapter 5: Biomimetic Approach to Drug Delivery and 75 E.T. Baran and R.L. Reis Optimization of Nanocarrier Systems viii Contents; Chapter 6: A Role for Prebiotics in Controlled Drug Delivery 87 A. Awati and P.J. Moughan; Chapter 7: Recent Advances in the Delivery of Food-Derived Bioactives and Drugs Using Microemulsions 95 J. Flanagan and H. Singh; Chapter 8: Pharmacokinetic Modulation with Particulate Drug Formulations 113 M. Langner and A. Kozubek; Chapter 9: Synthetic Vectors for Genetic Drug Delivery 139 P. Wyrozumska, K. Stebelska, M. Grzybek and A.F. Sikorski; Chapter 10: Dicationic DEGA-Based Lipid Systems for Gene Transfer and Delivery: Supramolecular Structure and Activity 175 A.S. Elkady and R.I. Zhdanov; Chapter 11: The Role of Liposomal Antioxidants in Oxidative Stress 191 Z.E. Suntres and A. Omri; Chapter 12: Interaction of Dendrimers with Model Lipid Membranes Assessed by DSC and Raman Spectroscopy K. Gardikis, S. Hatziantoniou, K. Viras, M. Wagner and C. Demetzos; Index. EAN/ISBN : 9781402050411 Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Mozafari, M. Reza

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