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11.1.2.1 Enzymes for Phase I Metabolism -- 11.1.2.2 Enzymes for Phase II Metabolism -- 11.1.3 Regulation of DrugMetabolizing Enzymes by Nuclear Receptors -- 11.1.4 Diseases Associated with DrugMetabolizing Enzymes -- 11.2 Role of Intestinal Efflux Transporters in the Drug Disposition -- 11.2.1 Efflux Transporters in Intestine -- 11.2.1.1 Pgp -- 11.2.1.2 MRP2 -- 11.2.1.3 BCRP -- 11.2.2 Regulation of Efflux Transporters by Nuclear Receptors (See Also Chapter 41).
11.3 Drug Metabolism-Transporter Coupling in Drug Disposition in GIT.

Sommario/riassunto

This comprehensive volume, 'Oral and Drug Delivery: From Basics to Advanced Concepts and Applications', provides an in-depth exploration of the principles and challenges associated with oral drug delivery. Edited by Ming Hu and Xiaoling Li, this academic text delves into key topics such as solubility, absorption, metabolism, and the physiological barriers that affect drug delivery. It also examines advanced concepts in drug transport, metabolism, and excretion. The book's primary aim is to enhance understanding of the complex mechanisms and factors influencing oral drug bioavailability, making it an essential resource for researchers, scientists, and students in pharmaceutical sciences.