Provides essential support during all phases of drug development, from drug design to drug action and interaction in patients.

This multivolume work covers both preclinical and clinical aspects of drug metabolism and interactions. It also provides a wealth of toxicological, regulatory, and marketing information, all written by leading international experts in the field. Using this reference you'll discover:

* Enzymes that can be inhibited or induced and their impact on drug toxicity and altered response in both animal and human models
* Effect of genetic differences and non-genetic factors on drug metabolism
* Balance among drug metabolism, its inactivation/activation, and its potential toxicity
* Examples demonstrating all aspects of drug metabolism and interactions in silico, in laboratory animals, and in humans
* Methods and detailed protocols enabling you to perform seamless studies of metabolism and drug interactions.

This reference is essential for researchers interested in all aspects of drug development, and chemists, pharmacologists, pharmaceutical specialists, toxicologists, molecular toxicologists, and clinicians, including practitioners and physicians.