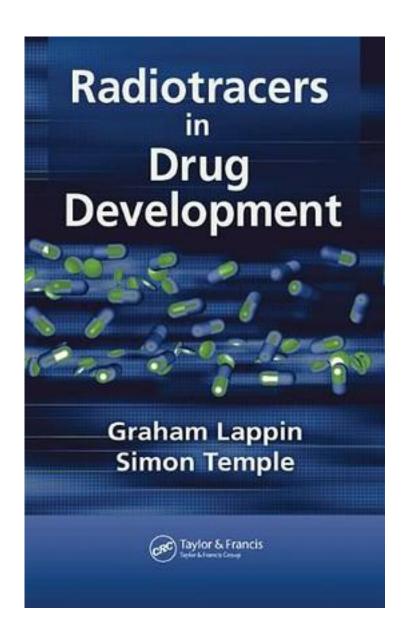
Radiotrcrs in Dru Devlpmnt



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Although there are numerous books on drug metabolism, "Radiotracers in Drug Development" is unique in explaining how radio tracers are used to elucidate a drug's absorption, distribution, metabolism, and excretion (ADME). Covering traditional and recent technologies and applications, the book takes a strong industrial approach, discussing the basics of scintillation counting and untangling the various data processing methods often specific to individual manufacturers. The chapters include descriptions of the latest micro-plate counters and the growing applications of accelerator mass spectrometry, positron emission tomography, gamma-scintigraphy, and radioluminography. In addition to describing how the analytical technologies work, the contributors explain how the data are interpreted and used in the drug registration process. A unique reference and training aid essential for every drug metabolism department or drug metabolism research team, the book provides insight into the use and practice of ADME in a way that is both instructive and practical. Moving easily across the boundaries of biology, chemistry, and physics, this is the only comprehensive, interdisciplinary resource covering the how-tos of employing radio tracers in drug development. It provides detailed information on how the science is relevant to the registration process.

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