



THIRD EDITION

FORENSIC CHEMISTRY

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A vertical decorative strip on the left side of the cover. It features a molecular model at the top with four blue spheres and one yellow sphere connected by grey rods. Below this is a glowing orange and red hexagonal pattern that transitions into a blue and purple hexagonal pattern at the bottom.

FORENSIC CHEMISTRY

THIRD EDITION

The new edition of this ground-breaking book continues to serve as the leading forensic chemistry text on the market. Fully updated, this edition describes the latest advances in current forensic chemistry analysis and practice. New and expanded coverage includes rapid advances in forensic mass spectrometry, NMR, and novel psychoactive substances (NPSs). Topics related to seized drug analysis, toxicology, combustion and fire investigation, explosives, and firearms discharge residue are described and illustrated with case studies. The role of statistics, quality assurance/quality control, uncertainty, and metrology are integrated into all topics. More pharmacological and toxicokinetic calculations are presented and discussed. Hundreds of color figures, along with graphs, illustrations, worked example problems, and case descriptions are used to show how analytical chemistry is applied to forensic practice. Topics covered offer students insight into the legal context in which forensic chemistry is conducted and introduces them to the sample types and sample matrices encountered in forensic laboratories.

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