DESCRIPTION

This first overview of mass spectrometry-based pharmaceutical analysis is the key to improved high-throughput drug screening, rational drug design and analysis of multiple ligand-target interactions. The ready reference opens with a general introduction to the use of mass spectrometry in pharmaceutical screening, followed by a detailed description of recently developed analytical systems for use in the pharmaceutical laboratory.

Applications range from simple binding assays to complex screens of biological activity and systems containing multiple targets or ligands -- all highly relevant techniques in the early stages in drug discovery, from target characterization to hit and lead finding.

ABOUT THE AUTHOR

Klaus T. Wanner studied Chemistry and Pharmacy in Munich and obtained a PhD in Pharmaceutical Chemistry in 1983. He was a postdoctoral fellow in the research group of A. I. Meyers at Colorado State University before taking up a faculty position at the Free University of Berlin. Since 1994, he is a full professor for Pharmaceutical Chemistry at the University of Munich. His main interest is in ligand and inhibitor design for GABA receptors and transporters, as well as in stereochemical aspects of structure-activity relationships.
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