

This two-part book provides the most advanced biochemical and histochemical analytical methods on neurotransmitters, neuromodulators, and neuropeptides described by international specialists. The biochemical methods include liquid chromatography/electrochemistry, liquid chromatography/fluorescence and chemiluminescence detection, gas chromatography or liquid chromatography with mass spectrometry, and immunoassays. Morphological and physiological methods are also described, including immunohistochemistry, in situ hybridization, in vivo microdialysis, electrophysiological analysis, microwave irradiation, electrophysiological analysis, micro-anatomical dissection, peptide sequence analysis, quantitative autoradiographic analysis, and isolated CNS preparations. The neurotransmitters and neuropeptides include catecholamines, indoleamines, histamine, polyamines, and various neuropeptides, and their related enzymes. The book is the most comprehensive, advanced and versatile volume on the biochemical, morphological and physiological analysis of neurotransmitters and neuropeptides.

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