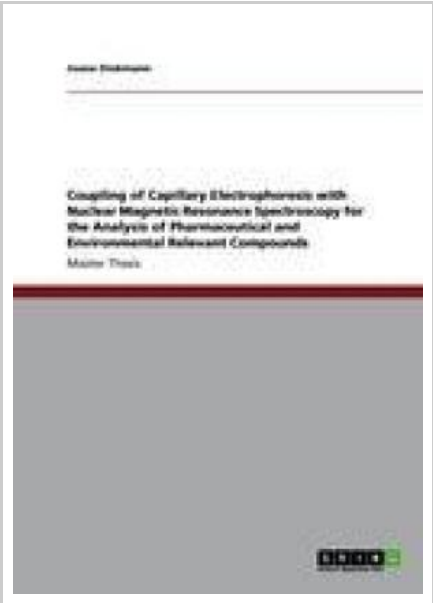

Coupling of Capillary Electrophoresis with Nuclear Magnetic Resonance Spectroscopy for the Analysis of Pharmaceutical and Environmental Relevant Compounds

By Joana Diekmann

GRIN Verlag Apr 2011, 2011. Taschenbuch. Book Condition: Neu. 210x148x7 mm. This item is printed on demand - Print on Demand Neuware - Master's Thesis from the year 2009 in the subject Chemistry - Analytical Chemistry, grade: 1,0, University of Hannover (Anorganische Chemie), language: English, comment: This Master Thesis was awarded with the 'E.ON Future Award 2010' and it was carried out at the Leibniz University Hannover, Faculty of Natural Sciences, Institute for Inorganic Chemistry, Department of Analytical Chemistry, in cooperation with the Lawrence Livermore National Laboratory, Physical and Life Sciences Directorate, Livermore, CA, USA. , abstract: Separation and identification of mass-limited chemical samples is the key to understand the complex nature of pharmaceutical and environmental systems. High efficiency separation techniques, such as capillary electrophoresis (CE), coupled to a non-destructive, information-rich detection, such as nuclear magnetic resonance (NMR) spectroscopy, have revolutionized the ability to separate and identify components in small sample volumes. Using this hyphenated system, structure elucidation of analytes separated during an electrophoretic process can be performed using NMR as an on-line detector. Although sensitivity remains an issue for on-line NMR detection, capillary NMR spectroscopy using microcoils has emerged as a major

Reviews

Basically no terms to clarify. It is actually writter in basic terms rather than confusing. I found out this ebook from my dad and i suggested this book to find out.

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