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PRACTICAL AND THEORETICAL ASPECTS OF PLC

Preparative Layer Chromatography

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Features

- Presents the material in a logical, accessible, and effective format written by recognized specialists in preparative layer chromatography
- Contains numerous figures and tables to augment the text, and selective reference lists including the most important new literature, as well as significant classic references
- Highlights uses of PLC in a broad range of applications such as the study of vitamins, lipids, synthetic drugs, and other medicinal chemistry

Practical Guide Elucidates Best Possible Solutions within PLC Framework

Preparative Layer Chromatography explains how this method is used for separating large quantities of mixtures containing a wide variety of important compounds. It offers a broad review of preparative layer chromatography (PLC) applications and adaptable working procedures for microseparations involving organic, inorganic, and organometallic compounds.

The book contains theoretical background, chemical principles, and relevance of preparative layer chromatography (PLC) to a wide range of applications, particularly in the study of pharmaceuticals and biochemistry. Written by many of the best known and most knowledgeable specialists in the field, the authors describe all the necessary techniques, current procedures, and superior strategies for selecting the most suitable eluents and designing application-specific PLC systems based on the data being sought. They provide comprehensive instructions, surrounding issues, and suggestions for optimizing optional working techniques within the framework of PLC. The book also provides a complete coverage of bulk sorbents and precoated chromatographic plates available on the international market.

A comprehensive, yet accessible source of information, **Preparative Layer Chromatography** is a relevant and practical text for experienced as well as novice researchers and practitioners involved in analytical, environmental, geochemical, biological, medicinal, and pharmaceutical analysis.

Edited by

Teresa Kowalska*University of Silesia, Katowice, Poland***Joseph Sherma***Lafayette College, Easton, Pennsylvania, USA*

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