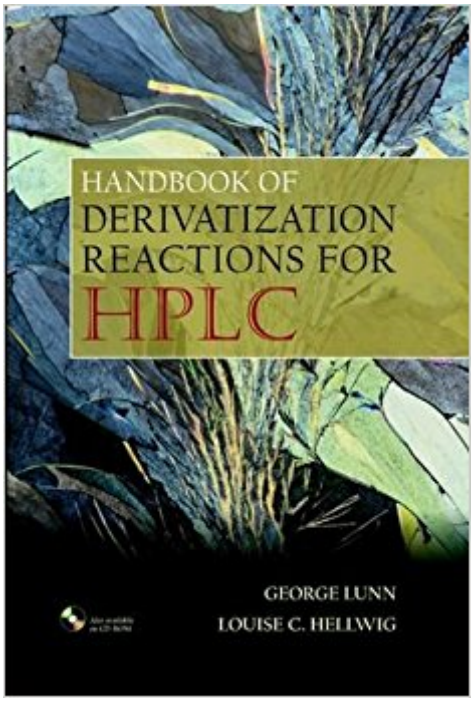
Handbook Of Derivatization Reactions For HPLC



Synopsis

Thousands of derivatization procedures for HPLC and CE-an essential tool for today's analytical chemist. This valuable reference offers fast and convenient access to derivatization reactions for both HPLC and capillary electrophoresis (CE). Covering a wide variety of compounds from pharmaceutical drugs and biological products to industrial contaminants, it is organized first by functional group and then by individual reagents. Techniques for each functional group are described in sufficient detail that the researcher can replicate procedures without reference to the original publications-saving hours of tedious library research. And because detailed procedures for the same reagent are listed together, it is easy to combine features of different methods and tailor them to fit specific individual requirements. Also available on CD-ROM, Handbook of Derivatization Reactions for HPLC contains fully abstracted and evaluated procedures from more than 1,900 papers, with descriptions of hundreds of reagents. A further 3,000 papers are referenced in bibliographies that are clearly annotated to help analysts identify those sources likely to be most useful. This important new resource will be welcomed by chemists working in pharmaceutical, biomedical, and environmental analysis. Also available on CD-ROM System requirements . . . IBM-compatible PC 486 or better and Windows(r) 3.0 or higher, or Macintosh 68030 processor and System 7 or higher * CD-ROM drive and 8 MB RAM minimum * 5 MB free hard disk space minimum, 30 MB recommended for full installation.

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Customer Reviews

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GEORGE LUNN, PhD, a consultant and scientific writer, currently works for the Food and Drug Administration and is a former senior research scientist for Program Resources, Inc. at the NCI-Frederick Cancer Research and Development Center in Frederick, Maryland. He is the coauthor of Destruction of Hazardous Chemicals in the Laboratory and HPLC Methods for Pharmaceutical Analysis, both published by Wiley. LOUISE C. HELLWIG, PhD, is a lecturer in the Chemistry Department of Morgan State University in Baltimore, Maryland. She holds degrees in chemistry and computer science from Swarthmore College, the University of Wisconsin, Madison, and Towson University.

good . good product . I was blown away by how sharp this product is. It cut throw my very soft loaf of Italian without a single tear. I hesitated before I bought it because of another review who said it wasn't sharp enough, but mine is outstanding. best service. i love it ,

Those who have been involved in chromatography for some timewill likely remember the book by Daniel Knapp, Handbook of AnalyticalDerivitization . This book is an excellent resource for exploring

derivitazation reactions by GC, GC-MS and HPLC. The focus on this current volume is on HPLC and CE so those interested in GC and GC-MS should continue to refer to Knapp's book on this subject. This book by Lunn and Hellwig is an excellent addition to the literature. It is almost 1800 pages long with several appendixes including one on reagent types, formula names including a citation in the book where the particular reagent or chemical was used. There is also an appendix "Bibliography of Related References " that includes information on compound types not included in the main text. All of the appendixes are welcome additions to the book. The book is organized according to the functional group that is derivatized starting with acyl halide and ending with thiosulfate. Each entry includes the chemical structure involved in the reaction, the sample matrix, analyte, sample preparation, HPLC variables, chromatogram, key word (s) and reference(s). Additionally, should the sample be able to be analyzed by CE, that information is also provided. This books contains a wealth of information and reflects the heroic amount of work that has gone into it's preparation. In the introductory material, the authors provide the sources they used for searching the literature and indicate that the period searched was from 1978- present. A list of abbreviations and suppliers of reagents is also provided. In addition to the printed book, a searchable CD is also included. The CD provides similar information to that found in the book with search strategies straightforward and easy to execute. The entire package is excellent and highly recommended for it's breadth of coverage on this topic. This package should be available to all who are involved in this type of work.