

BOOK REVIEW

Handbook of Derivatives for Chromatography, Second Edition

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The editors have put together a well constructed, organized, and balanced publication. They have devoted equal space to derivatives suitable for gas chromatography and those suitable for liquid, supercritical fluid, and thin layer chromatography. They present a lucid description of the theoretical basis of each of the general chemical reactions; a brief description of the synthetic method with sufficient detail to permit the reader to assess complexity of the method; and a useful discussion of the stability of each group of derivatives and the completeness of the reaction. The material is organized according to functional groups thus facilitating the ease of searching for a suitable method for derivatizing a particular functional group. Each chapter contains an extensive bibliography citing references up through 1991 thus permitting rapid access to the original procedures. The final chapter discusses the equipment useful for preparing derivatives and safety measures that are necessary. This book provides an excellent resource for the chromatographer who must analyze and quantify a wide variety of chemicals.

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