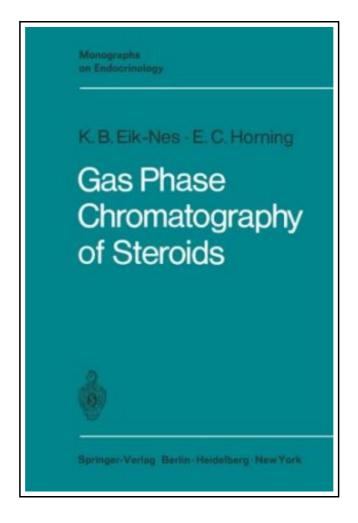
Gas Phase Chromatography of Steroids



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Reviews

Extremely helpful for all type of folks. It generally is not going to expense a lot of. I found out this book from my dad and i advised this book to find out.

(Melany Goyette)

GAS PHASE CHROMATOGRAPHY OF STEROIDS



Book Condition: New. Publisher/Verlag: Springer, Berlin | Few fields have advanced faster over the past quinquennium than separation and estimation of steroids by the technique of gas phase chromatography. A detailed and complete review of this topic would therefore be beyond the scope of the authors contributing to this monograph. It was, however, felt that a discussion of some of the highlights of this rapid advance might be of help for laboratories estimating steroids in biological samples. One of the difficulties in producing a monograph of this kind is that before it can appear in print it is likely that some of the methods it discusses will have been overtaken by better methods, so swiftly is progress now made. No editorial power has been exercised in trying to make a uni form account of technology in this field, and the idiosyncrasies of each individual author have been left intact. Through this approach we hope that what has been lost in scholarly appearance is regained in general appeal. | 1 Gas Phase Analytical Methods for the Study of Steroid Hormones and their Metabolites.- I. Historical.- II. Analytical Methods.- 1. Single Component Analyses.- a) By High-sensitivity Nonselective Detection.- b) By High-sensitivity Selective Detection.- 2. Group Analyses.- 3. Multicomponent Analyses.-III. Instrumental Components.- 1. The Column and its Packing.- a) Column Types.- b) Supports.- c) Liquid Phases.- d) Preparation of Column Parkings.- 2. Detection Systems.- a) Hydrogen Flame Ionization.- b) Electron Capture.- c) Other Systems.- 3. Sample Introduction.- a) Samples in Solution.- b) Solid Injection.- IV. Derivatives.-1. Reactions of Hydroxyl Groups.- 2. Reactions of Keto Groups.- 3. Reactions of Acids.- 4. Steroid Hormone Derivatives.- V. Separation Methods.- 1. With Non-selective Phases.- 2. With Selective Phases.- 3. Column Efficiency.- VI. GLC Characterization of Steroids.- 1. Relative Retention Time.- 2. Methylene Unit (MU) Values.-...



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