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Techniques of Flavonoid Identification

K.R. Markham

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As a follow-up to Dr Markham's highly successful publication, *The Systematic Identification of Flavonoids* (1970) co-authored with T.J. Mabry and M.B. Thomas, this book presents a more extensive, up-to-date and thorough guide to techniques used in flavonoid research. The techniques are discussed in the approximate order in which they are normally needed by the researcher and extensive cross-referencing is used throughout to guide the reader to the next recommended technique. Techniques covered include: chromatography, recrystallization, UV-visible spectroscopy, hydrolysis and product analysis, derivatization, degradation, $^1\text{H-NMR}$, $^{13}\text{C-NMR}$, and mass spectroscopy. The book, as a self-contained laboratory manual, contains extensive tabulations of reference data, discusses examples of a wide range of spectra, and features diagrams of flavonoid structures, reaction schemes and apparatus. Of special interest and importance to the beginner are the tables of trivial names, the list of sources of flavonoid standards and a discussion of the means for proving a new flavonoid identical to a known standard.

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