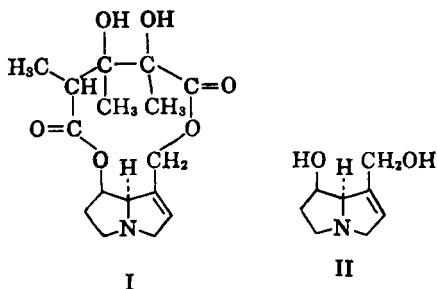


cine (II), characterized by comparing the melting points of the base and its hydrochloride with reported values (4).



I

II

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Received October 29, 1963.

Accepted for publication November 11, 1963.

This investigation was supported by research grants from the National Institutes of Health (CY-4500) and the American Cancer Society (T-275).

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Books

REVIEWS

Organic Syntheses. Collective Vol. IV. Edited by NORMAN RABJOHN. John Wiley & Sons, Inc., 605 Third Ave., New York 16, N. Y., 1963. xiv + 1036 pp. 15 × 23 cm. Price \$16.50.

This ten-year collective volume covers the materials in the annual volumes 30-39. This book provides the name of the laboratory where the procedure was developed as the first reference for each procedure and also includes an author index. Illustrations of several pieces of equipment or illustrated suggested modifications in equipment are provided. Errors in the original printings of some of the procedures have been corrected, calculations and references checked, and modifications or improvements incorporated. The volume retains the many distinctive features of previous collective volumes which have made them such valuable laboratory tools.

Progress in Physical Organic Chemistry. Vol. 1. Edited by S. G. COHEN, A. STREITWIESER, JR., and R. W. TAFT. Interscience Publishers, 605 Third Ave., New York 16, N. Y., 1963. ix + 411 pp. 15.5 × 23 cm. Price \$15.

Interscience Publishers present the first volume of a new series edited by Saul G. Cohen of Brandeis University, Andrew Streitwieser, Jr., of the University of California (Berkeley), and Robert W. Taft of the Pennsylvania State University covering the relatively modern field of physical organic chemistry. The series is designed to provide a forum for the exchange of views and for critical and authoritative reviews of topics reported in the contemporary outpouring of articles in the field. The authors of the individual sections have been given wide discretion so that each topic discussed should show an individualistic treatment. Treatment of subjects will be more detailed than the conventional textbook style so as to be useful to graduate and practicing organic chemists who may not have any particular expertise in physical organic chemistry.

The topics presented in this volume are ionization potentials in organic chemistry, nucleophilic aromatic substitution reactions, ionization and dissociation equilibria in solution in liquid sulfur dioxide, secondary isotope effects, and quantitative comparisons of weak organic bases.

Papers on Human Genetics. Edited by S. H. BOYER, IV. Prentice-Hall, Inc., Englewood Cliffs, N. J., 1963. x + 305 pp. 15 × 23 cm. Price \$9.

A collection of papers originally published in technical and scientific journals providing background materials on human genetics is presented. One outstanding contribution of this work is providing an English translation of some of the reports which were originally published in German or French. Brief introductory annotations have been included. The collection is designed to illustrate the various ways in which the study of human genetics has proceeded. The examples have been chosen primarily to benefit the newcomers: the students of various rank and training who have become intrigued with human genetics and its problems and wish to have some firsthand knowledge of its origins.

Identification of Organic Compounds. By N. D. CHERONIS and J. B. ENTRIKIN. Interscience Publishers, 605 Third Ave., New York 16, N. Y., 1963. xii + 477 pp. 15.5 × 24 cm. Price \$8.95.

An abridgment and revision of "Semimicro Qualitative Organic Analysis" incorporating materials which are either essential or useful to students of elementary or intermediate organic chemistry is presented. It includes the discussions of, and procedures for, the classification of an unknown substance by its solubility behavior and its acid-base characteristics, general tests for structure and functional groups, specific tests for chemical classes, and an entirely new chapter on the use of paper chromatography and infrared spectroscopy in the identification of organic substances. The volume