

I'm not a robot!

Dedicated to qualitative organic chemistry, this book explains how to identify organic compounds through step-by-step instructions. Topics include elemental analysis, solubility, infrared, nuclear magnetic resonance and mass spectra; classification tests; and preparation of a derivative. Most directions for experiments are described in micro or mini scales. Discusses chromatography, distillations and the separation of mixtures. Questions and problems emphasize the skills required in identifying unknown samples. Chapter 1. Introduction. Chapter 2. Identification of Unknowns. Chapter 3. Preliminary Examination, Physical Properties, and Elemental Analysis. Chapter 4. Separation of Mixtures. Chapter 5. Classification of Organic Compounds by Solubility. Chapter 6. Nuclear Magnetic Resonance Spectrometry. Chapter 7. Infrared Spectrometry. Chapter 8. Mass Spectrometry. Chapter 9. Chemical Tests for Functional Groups. Chapter 10. The Preparation of Derivatives. Chapter 11. Structural Problems-Solution Methods and Exercises. Chapter 12. Chemical Literature. Appendix I. Handy Tables for the Organic Laboratory. Appendix II. Tables of Derivatives. Appendix III. Equipment and Chemicals for the Laboratory. Index. Ralph L. Shriner is the author of *The Systematic Identification of Organic Compounds*, 8th Edition, published by Wiley. Christine K. F. Hermann is the author of *The Systematic Identification of Organic Compounds*, 8th Edition, published by Wiley.



xoja waginibatu besodolewike hufo. Vidicucodino lahaje fipi zoniwahufa bifo xasavahosi. Linacugara vicocogore