



Toolkit for Estimating Physicochemical Properties of Organic Compounds (Hardback)

By Martin Reinhard, Axel Drefahl

John Wiley Sons Inc, United States, 1998. Hardback. Book Condition: New. New.. 259 x 185 mm. Language: English . Brand New Book. A comprehensive compendium of published property estimation techniques for organic compounds. For scientists and engineers seeking to estimate properties of compounds, this time-saving Handbook brings together in one compact volume a vast array of property estimation methods from more than 2,700 published sources for calculating these and many other properties of organic compounds: Density and molar volume Boiling point Refractive index and molar refraction Melting point Surface tension and parachor Water solubility Viscosity Air/water partition coefficient Vapor pressure Octanol/water partition coefficient Enthalpy of vaporization Soil/water partition coefficient. The property estimation techniques detailed in the Handbook have been chosen for their broad applicability and practical value. The discussion of each estimating technique includes a clear exposition of the technique, including classes of compounds for which it is applicable and critical consideration of its strengths and weaknesses, as well as many worked-out examples demonstrating the technique. The Handbook can be used on its own or in tandem with the Toolkit for Estimating Physicochemical Properties of Organic Compounds, an easy-to-use, Windows(r)-based program that puts rapid estimation routines and flexible search capabilities...



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