



Organofluorine Compounds in Biology and Medicine

By Reddy, V. P.

Book Condition: New. Publisher/Verlag: Elsevier Books | This book covers topics on biochemically relevant organofluorine compounds and their synthesis and biochemical pathways. Organofluorine compounds have renewed interest in pharmaceutical industry, and therefore a concise book on this topic is highly relevant to the scientific community involved in this area. Covers the synthesis, biochemical, and therapeutic applications of organofluorine compounds Offers a complete text on biochemically relevant organofluorine compounds and their synthesis and mechanistic pathways Provides one of the first major reference books on the biological and medicinal applications of organofluorine chemistry | Organofluorine Compounds in Biology and Medicine Chapter Abstracts V. Prakash Reddy About the Author The Importance of This Book Dedication Preface 1. Introduction: General aspects of organofluorine compounds 2. C-F bond strengths 3. Effect of the neighboring C-F bonds on the C-H bond dissociation energies 4. Effect of fluorine on the acidity and basicity 5. Effect of fluorine on the metabolic stability 6. Effect of fluorine on the bioavailability 7. Positron emission tomography (PET) tracers 8. ^{19}F NMR Spectroscopic techniques for probing biochemical mechanisms 9. Summary and outlook | Format: Hardback | Language/Sprache: english | 686 gr | 238x158x17 mm | 330 pp.



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