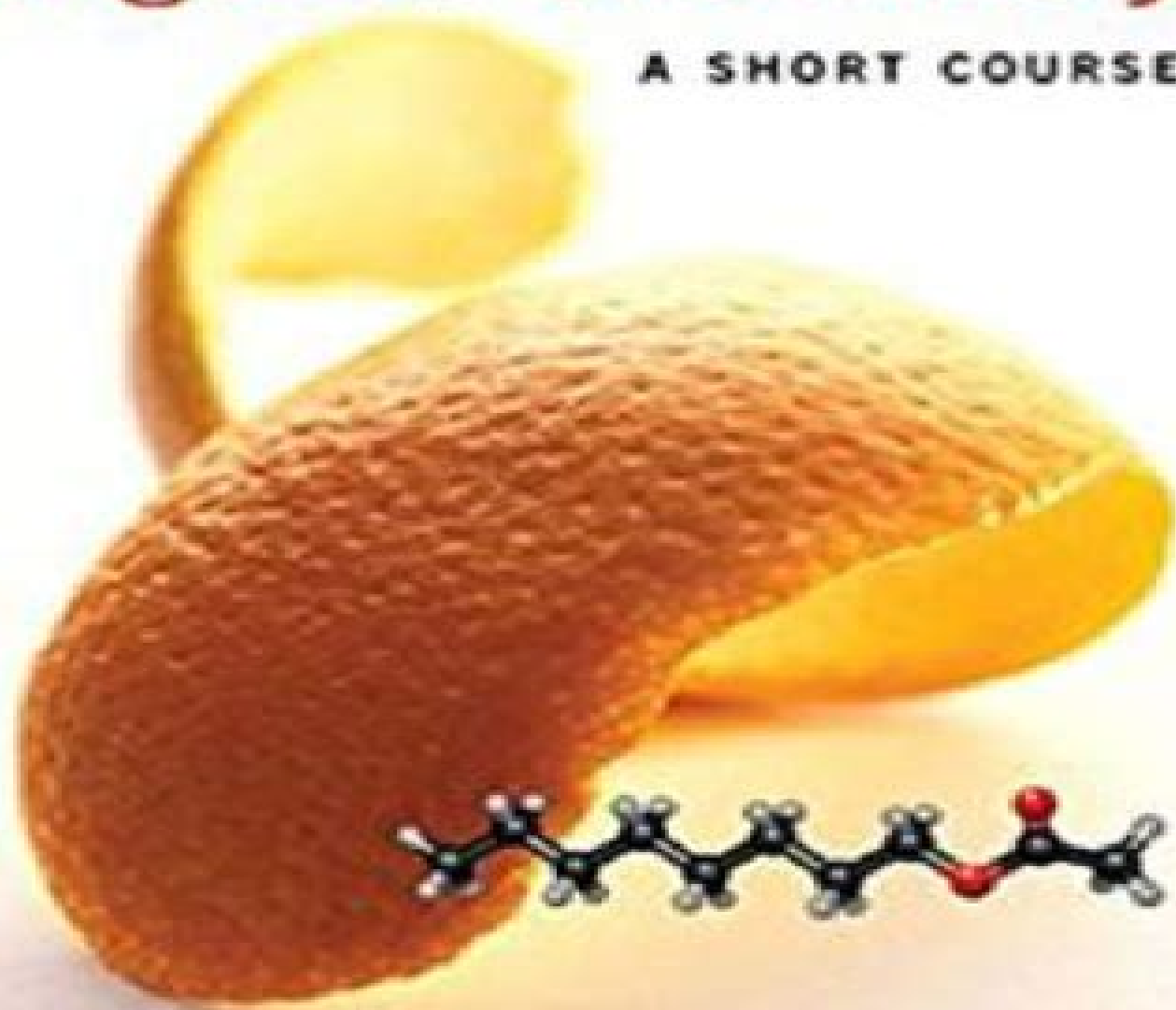


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role to play in discerning the relationships of active metabolites to bioavailability and function at the active sites as well as the metabolism of plant constituents Structured in seven parts the book covers the foundational aspects of Pharmacognosy the chemistry of plant metabolites their effects other sources of metabolites crude drugs from animals basic animal anatomy and physiology technological applications and biotechnology and the current trends in research New to this edition is a chapter on plant metabolites and SARS Cov 2 extensive updates on existing chapters and the development of a Laboratory Guide to support instructors execute practical activities on the laboratory setting Covers the main sources of natural bioactive substances Contains practice questions and laboratory exercises at the end of every chapter to test learning and retention Describes how pharmacokinetics and pharmacodynamics play a crucial role in discerning the relationships of active metabolites to bioavailability and function at active sites Includes a dedicated chapter on the effect of plant metabolites on SARS CoV 2

Organic Chemistry David J.. Hart, Harold Hart, Leslie E.. Craine, Christopher M.. Hadad, 2011-05-16 The only textbook designed specifically for the one semester short course in organic chemistry this market leader appeals to a range of non chemistry science majors through its emphasis on practical real life applications coverage of basic concepts and engaging visual style In contrast to other texts for the course that are streamlined versions of full year texts this text was created from the ground up to offer a writing style approach and selection of topics that uniquely meet the needs of the short course The Thirteenth Edition builds on the strengths of previous editions through an updated dynamic art program online on CD and in the text new content that keeps students current with developments in the organic chemistry field and a revised lab manual

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web aug 10 2015 design of reinforced concrete bridges the shortest span reinforced concrete decks are built as solid slabs these may be supported on bearings although due to durability issues with expansion joints and bearings it is usually preferable to cast them integral with in situ abutments or place them as part of pre cast box culverts