

Reading Assignment - Chapter 16

Read any combination of the following sections so that you have read a total of five pages. When sections begin or end with less than half of a page, don't include that page, or add two half pages to make one whole page. Please choose sections which will help you to review, fill in gaps in your understanding, or increase your knowledge.

- 14-1 Introduction (p 623)
- 14-2 Physical Properties of Ethers (p 623)
- 14-9 Autoxidation of Ethers (p 639)
- 14-10 Sulfides (thioethers) (p 640)
- 14-3 Nomenclature of Ethers (p 628)
- 14-4 Spectroscopy of Ethers (p 631)
- 14-5 Williamson Ether Synthesis (p 633)
- 8-6 Alkoxymercuration-Demercuration (p 335)
- 14-6 Synthesis of Ethers by Alkoxymercuration-Demercuration (p 634)
- 14-8 Cleavage of Ethers by HBr and HI (p 636)
- 14-11 Synthesis of Epoxides (p 642)
- 14-12 Acid-Catalyzed Ring Opening of Epoxides (p 645)
- 8-13 Acid-Catalyzed Opening of Epoxides (p 355)
- 14-13 Base-Catalyzed Ring Opening of Epoxides (p 649)
- 14-14 Orientation of Epoxide Ring Opening (p 650)
- 14-15 Reactions of Epoxides with Grignard and Organolithium Reagents (p 652)
- The Opening of Squalene-2,3-Epoxy (p 648)
Not covered in class - a key step in the biosynthesis of cholesterol - very cool.
- 14-16 Epoxy Resins: The Advent of Modern Glues (p 653)
Not covered in class - ever wondered how epoxy glue works? Here it is! Amazing stuff