

## CHAPTER OVERVIEW

### 9: Alcohols, Ethers, and Epoxides

#### Topic hierarchy

- 9.1: Dehydration Using  $\text{POCl}_3$  and Pyridine
- 9.2: Conversion of Alcohols to Alkyl Halides with HX
- 9.3: Conversion of Alcohols to Alkyl Halides with  $\text{SOCl}_2$  and  $\text{PBr}_3$
- 9.4: Tosylate—Another Good Leaving Group
- 9.5: Reaction of Ethers with Strong Acid
- 9.6: Reactions of Epoxides
- 9.7: Application- Epoxides, Leukotrienes, and Asthma
- 9.8: Application- Benzo[a]pyrene, Epoxides, and Cancer
- 9.9: Introduction
- 9.10: Structure and Bonding
- 9.11: Nomenclature
- 9.12: Physical Properties
- 9.13: Interesting Alcohols, Ethers, and Epoxides
- 9.14: Preparation of Alcohols, Ethers, and Epoxides
- 9.15: General Features—Reactions of Alcohols, Ethers, and Epoxides
- 9.16: Dehydration of Alcohols to Alkenes
- 9.17: Carbocation Rearrangements

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