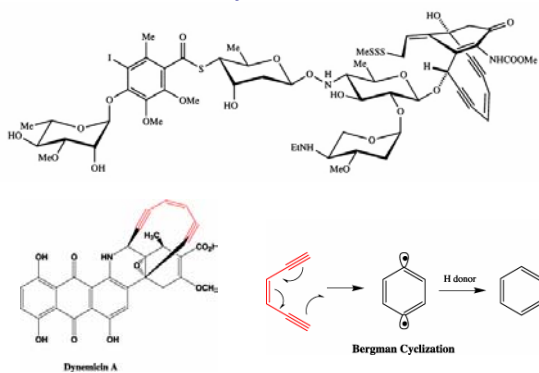


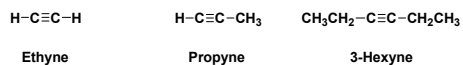
CH. 9 - Alkynes

9.1 Sources

Eneidyne Antibiotics



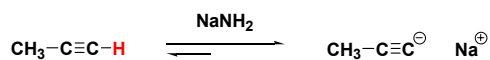
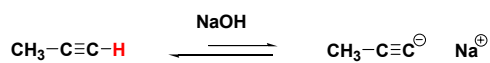
9.2-9.3 Nomenclature and Physical Properties



9.4 Structure and Bonding

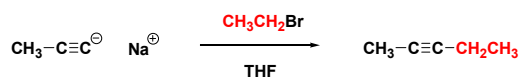
9.5 Acidity of Acetylene and Terminal Alkynes

(pKa ~ 26)

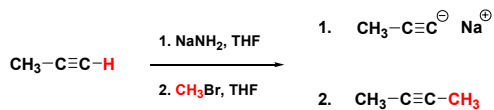


Choice of base determines extent of deprotonation

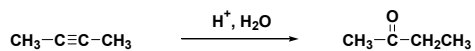
9.6 Acetylide anions as nucleophiles in S_N2 reactions



Typical reaction sequence:



9.12 Addition of H₂O to an alkyne



via a process called *tautomerism*

Not covering

- 9.7
- 9.8
- 9.9
- 9.10
- 9.11
- 9.13
- 9.14
