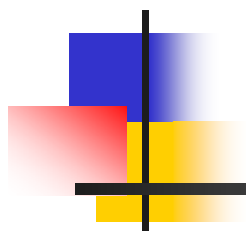


Organic Chemistry I:

CHEM 233



Dr. Xiaodong Michael Shi

Section 001

MWF, 9:30 am--10:20 am

Clark 112

Problem set

- 11.25, 11.26, 11.28, 11.30, 11.32, 11.33,
11.34, 11.35, 11.37, 11.39, 11.40, 11.43,
11.44, 11.47, 11.48, 11.50, 11.54, 11.57



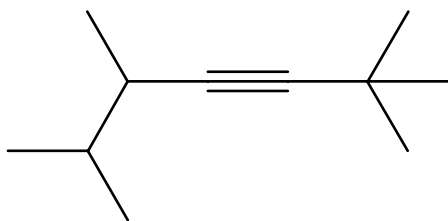
Chapter XI: Alkynes

- **11.1 Introduction: terminal and internal, energy**



Chapter XI: Alkynes

- 11.2 Nomenclature



2,2,5,6-Tetramethyl-hept-3-yne



Chapter XI: Alkynes

- 11.3 Physical properties: almost nothing new



Chapter XI: Alkynes

- 11.5 Preparation of alkyne



Chapter XI: Alkynes

- 11.6 Alkyne Reactions



Chapter XI: Alkynes

- 11.7 Alkyne reactions: addition of HX



Chapter XI: Alkynes

- 11.8 Alkyne reactions: addition of X_2



Chapter XI: Alkynes

- 11.9 Alkyne reactions: addition of H₂O



Chapter XI: Alkynes

- 11.9 Alkyne reactions: enol-keto Tautomerization



Chapter XI: Alkynes

- 11.10 Alkyne reactions: Hydroboration-oxidation



Chapter XI: Alkynes

- **11.11 Alkyne reactions: acetylide anions, nucleophilic addition**



Chapter XI: Alkynes

- 11.12 Multiple step synthesis