

## 第九章 醛酮

### 1. 命名:

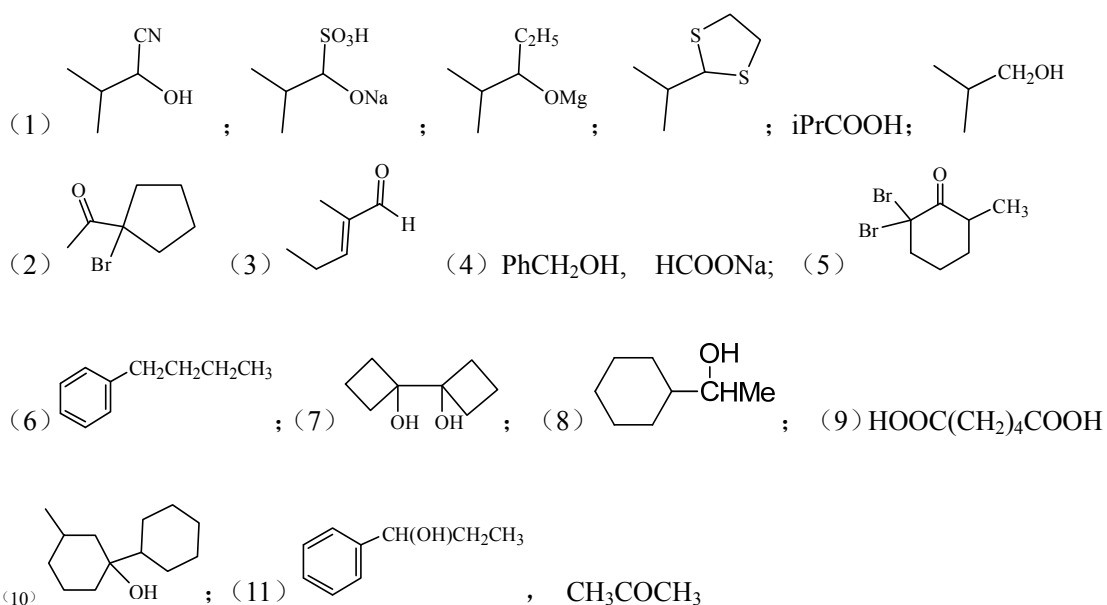
- (1) 2-氨基-4-甲氧基苯甲醛 (2) 3-乙基环己酮  
 (3) 5-氧代-6-氯-庚醛 (4) 5-氰基-3-庚酮  
 (5) (E)-4-正丙基-5-苯基-4-己烯-3-酮 (6) 2-丁酮对硝基苯腙  
 (7) 1-环己基-1-丙酮 (乙基环己基酮) (8) 1-苯基-1-丁酮 (丁酰苯, 丙基苯基酮)  
 (9) (S)-2-甲基丁醛

### 2. 名词解释 (略)

### 3. 选择题

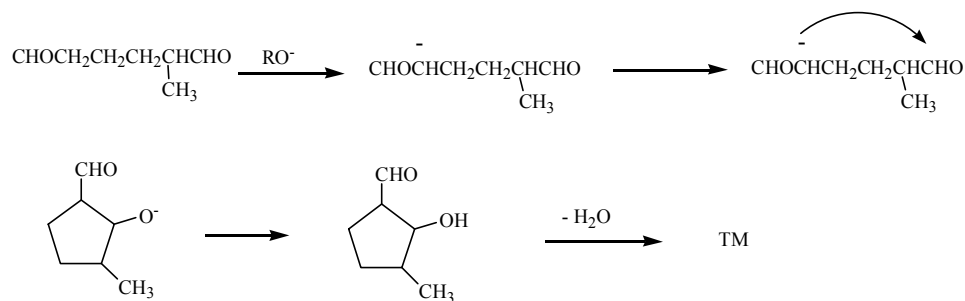
CBBAB DBDCC

### 4. 完成反应式:

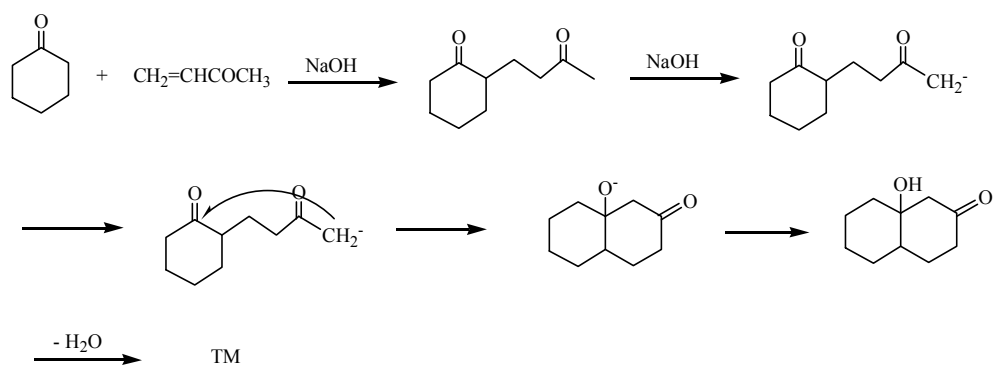


### 5. 反应机理

#### (1)



(2)








## 6. 推结构

(1)

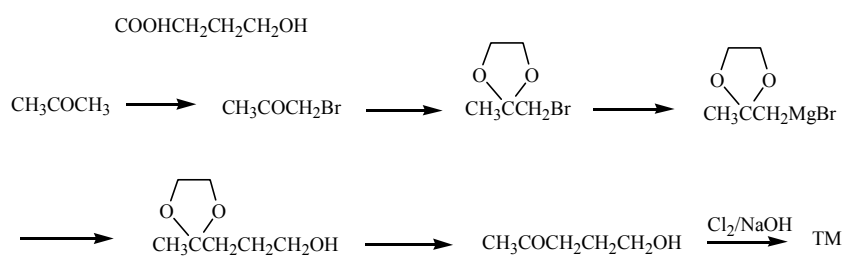
- A.  $\text{CH}_3\text{COCH}_2\text{CH}_2\text{CHO}$   
B.  $\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$   
C.  $\text{CH}_3\text{CH}=\text{CHCH}=\text{CH}_2$

(2)

- A. - $\text{CH}_2\text{CH}_2\text{COCH}_3$  or - $\text{CH}(\text{CH}_3)\text{COCH}_3$   
B. - $\text{CH}_2\text{CH}_2\text{C}(\text{CH}_3)(\text{NHNHCONH}_2)$   
C. - $\text{CH}_2\text{CH}_2\text{COOH}$   
D. - $\text{CH}_2\text{CH}_2\text{COCH}=\text{CHPh}$

## 7. 合成

(1)



(2)

