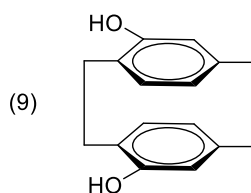
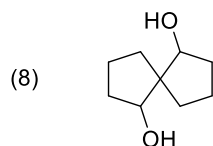
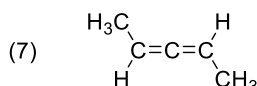
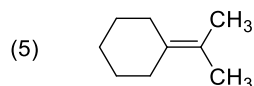
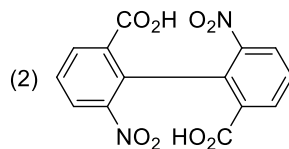
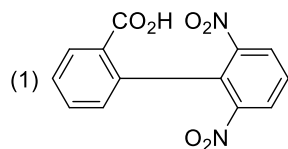


第五次作业答案

P84

13. 下列化合物中哪些能拆分成对映异构体？

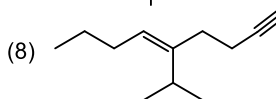
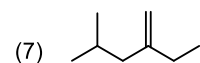
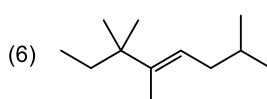
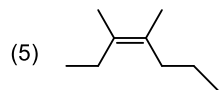
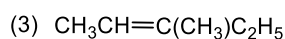
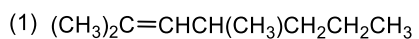


解答:

- (1) 不能 (2) 能 (5) 不能
(7) 能 (8) 能 (9) 能

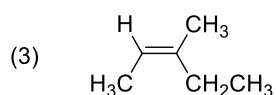
P122

3. 命名下列化合物，如有顺反异构体则写出构型式，并标以 *Z*, *E*。

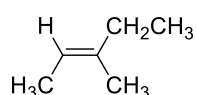


解答:

(1) 2,4-二甲基-2-庚烯



(*Z*)-3-甲基-2-戊烯



(*E*)-3-甲基-2-戊烯

(5) (*Z*)-3,4-二甲基-3-庚烯

(6) (*E*)-2,5,6,6-四甲基-4-辛烯

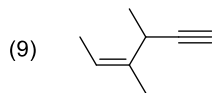
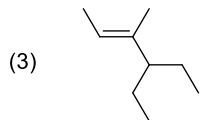
(7) 2-乙基-4-甲基-1-戊烯

(8) (*Z*)-5-异丙基-5-壬烯-1-炔

4. 写出下列化合物的构造式（键线式）。

- (3) (*E*)-4-ethyl-3-methyl-2-hexene (9) (*Z*)-3,4-dimethyl-4-hexen-1-yne

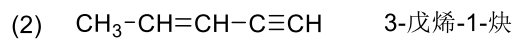
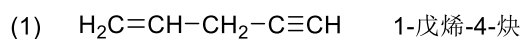
解答:



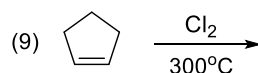
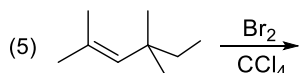
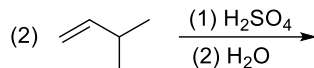
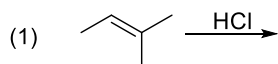
5. 写出下列化合物的结构式，并用系统命名法命名。

- (1) 烯丙基乙炔 (2) 丙烯基乙炔

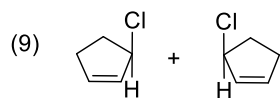
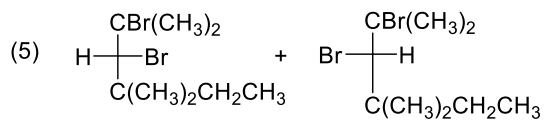
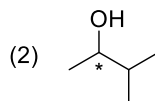
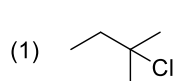
解答:



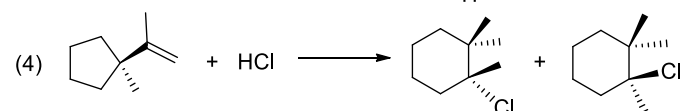
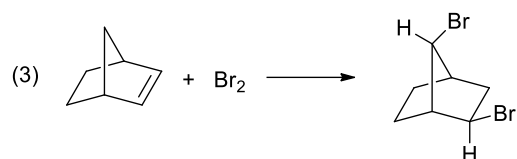
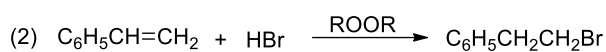
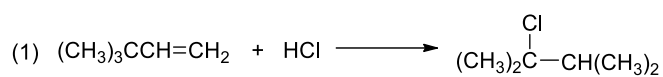
6. 完成下列烯烃的反应，有立体化学的请标注。



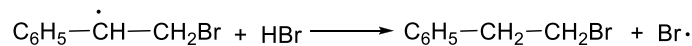
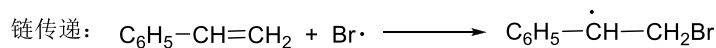
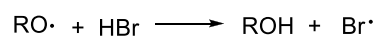
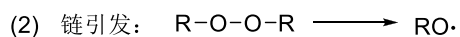
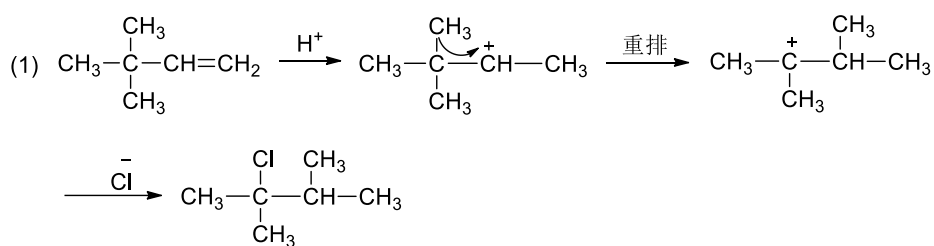
解答: 反应产物的结构或构型如下:



21. 给下列转变提出合理的机理。



解答:



.....

链终止: (省略)

