
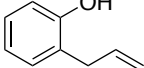
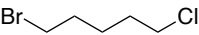
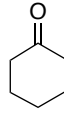

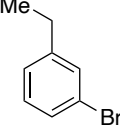

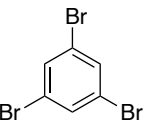
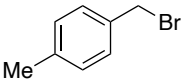
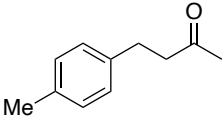
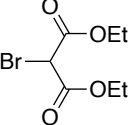
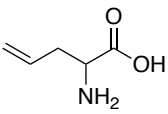
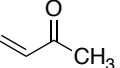
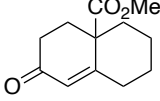
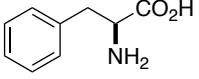
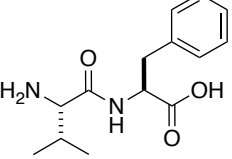
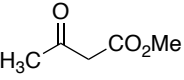
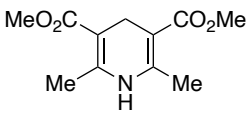
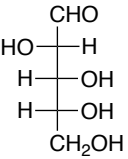
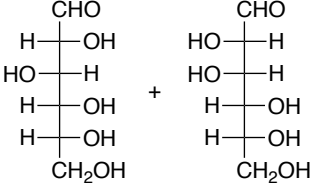


令和2年度 有機化学 IV レポート課題 (その1)

令和3年2月21日(月)締め切り

問1. 以下の反応の合成経路を記せ。(10)は指定の形式にて立体構造も記せ。

- 1)  \longrightarrow 
- 2)  \longrightarrow 
- 3)  \longrightarrow 
- 4)  \longrightarrow 
- 5)  \longrightarrow 
- 6)  \longrightarrow 
- 7)  \longrightarrow 
- 8)  \longrightarrow 
- 9)  \longrightarrow 
- 10)  \longrightarrow  β-D-マンピラノース
(Haworth 投影式)
(いす形立体配座)
D-アラビノース D-グルコース D-マンノース

令和2年度 有機化学 IV レポート課題 (その2)

令和3年2月21日(月)締め切り

問2. 以下の反応の反応機構を記せ。(9)と(10)は生成物の構造も記せ。

