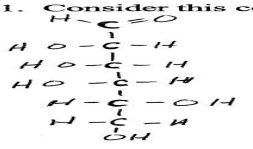
Stereoisomers → Lipids

1. **Consider this compound to answer the questions that follow:**



   a. **Write the structure of the enantiomer of this compound.**
   b. **Use your book to determine the name of your answer to 1a.**

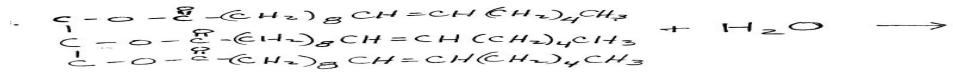
   c. **Write the structure of the α isomer of a disaccharide of this compound that contains a β (1 → 4) linkage.**

   d. **Would the compound you drew in part c be able to undergo mutarotation? Why or why not?**

2. **Draw the structure of a triglyceride that contains 2 molecules of palmitic acid and one molecule of stearic acid.**

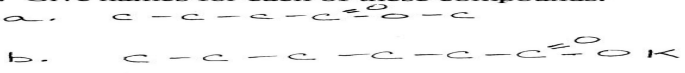
3. **Give the structural formula for the major organic product(s) for each of these reactions.**
   a. **butanoic acid + 1-propanol →**

   b. **$CH_3CH_2CH_2CH_2COOH$ + sodium hydroxide →**



   d. **CH3 CH2 CH2 NH2 + H+ →**

4. **Give names for each of these compounds.**



5. **Paxil (paroxetine) is widely prescribed to treat depression. Its structure is shown below. Mark each of the stereocenters in Paxil with an *.**