

5.1: Aspirin Prelab

Synthesis of Aspirin Prelab (5 points)

Read the lab completely prior to attending lab.

1. The reaction to form an ester is classified as a _____ reaction. (0.5 point)
2. Calculate the molar mass of salicylic acid and acetylsalicylic acid. (0.5 point)
3. Calculate the theoretical yield of acetylsalicylic acid from 2.01 g of salicylic acid assuming excess acetic anhydride. (2 points)
4. Assume that 1.93 g of acetylsalicylic acid is produced from the reaction in the previous question. Calculate the percent yield. (2 points)

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