

Answer on Question#39399-Chemistry-Organic Chemistry

Question

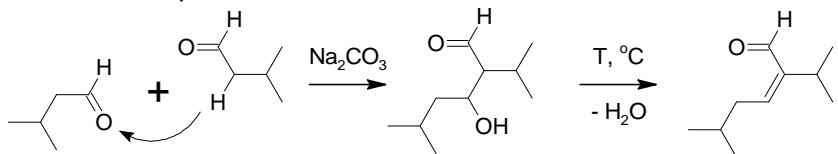
What is the reaction between $(\text{CH}_3)_2\text{CHCHO} + \text{Na}_2\text{CO}_3$?

Is that aldol?

Answer

Na_2CO_3 hydrolyzes to form a strong base: $\text{Na}_2\text{CO}_3 + 2\text{H}_2\text{O} \rightarrow 2\text{NaOH} + \text{H}_2\text{CO}_3$

The base catalyzes the aldol reaction:



So, yes it is aldol reaction.