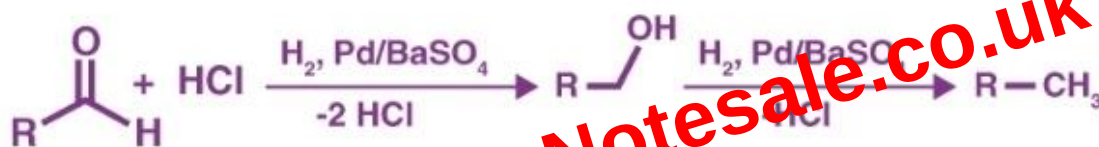




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Step 2

The resulting aldehyde formed undergoes another reaction with the palladium over barium sulfate. This leads to the formation of alcohol which further generates an alkane

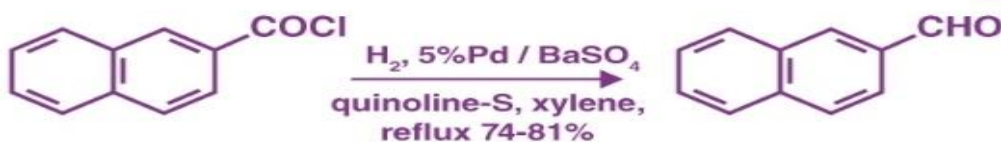


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Step 3

product is obtained. A variety of poisons can be employed for this process. An example of the method to totally deactivate the [palladium](#) over barium sulfate catalyst is shown below

The Rosenmund catalyst is poisoned to stop further reduction once the desired



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