

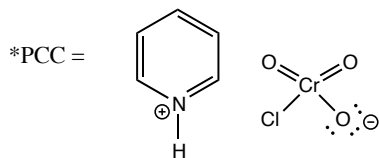
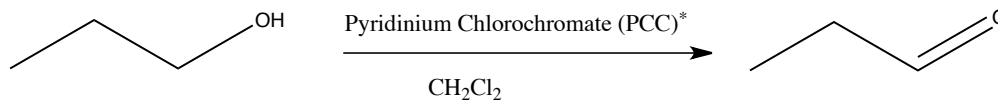
Chem 343 – Organic Reactions

Chapter 10

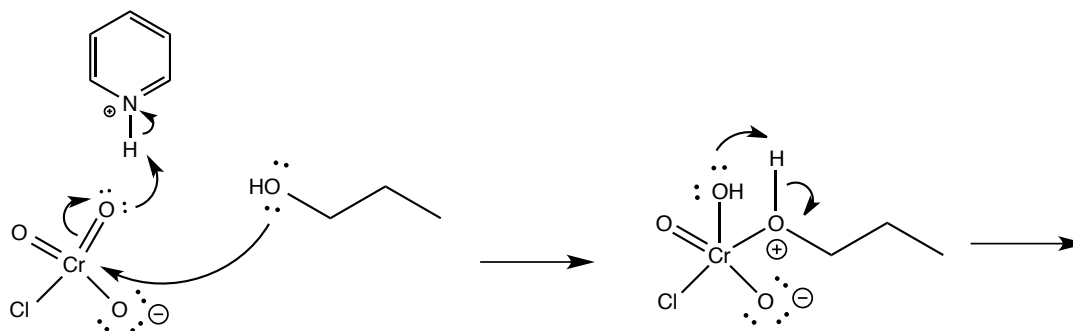
Prepared by José Laboy, MS

<http://www.chem.wisc.edu/areas/clc> (Resource page)

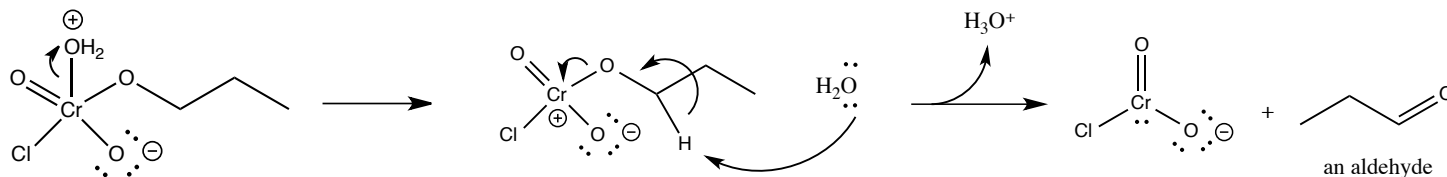
Oxidation of Primary Alcohols to Aldehydes



Mechanism



Note: This first step in the reaction does not represent a single step. It's the result of various steps.



The CrClO_2^- can further decompose to HCrO_3^-

PCC is the reagent of choice when transforming 1° alcohols to aldehydes. Secondary alcohols will be oxidized to ketones and 3° alcohols cannot be oxidized