

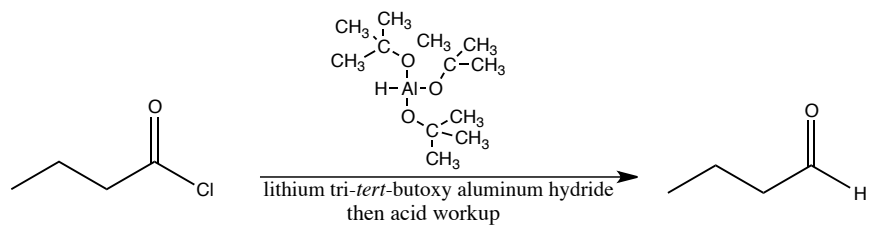
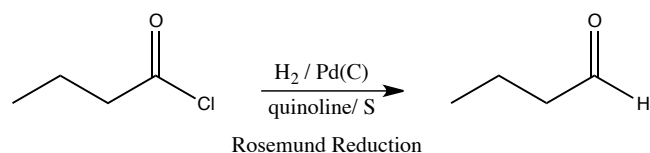
Chem 345 – Organic Reactions Chapter 21

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[http: www.chem.wisc.edu/areas/clc](http://www.chem.wisc.edu/areas/clc) (Resource page)

Reduction of Acid Chlorides to Aldehydes

Reactions:



This synthesis is important because the conversion to aldehydes facilitates other conversions, i.e. imines, enamines, acetals and even amino acid synthesis.

The Rosemund reduction takes advantage of a catalyst that is *poisoned* or relatively weak. The use of a lithium hydride derivative to make aldehydes takes advantage of its very low reactivity toward reduction.