

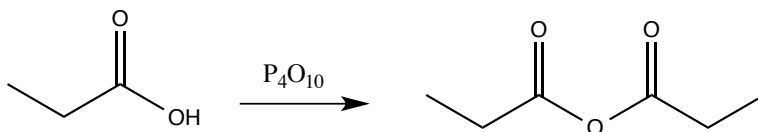
Chem 345 – Organic Reactions Chapter 20

Prepared by José Laboy, MS

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

Acid Anhydrides from Carboxylic Acids

Reaction:



Phosphorus pentoxide is a powerful dehydrating agent. The inorganic product of the dehydrating reaction is phosphoric acid, H₃PO₄. Certain dicarboxylic acids can dehydrate upon heating. Cyclic acid anhydrides made up of five and six-membered rings are quite stable.

