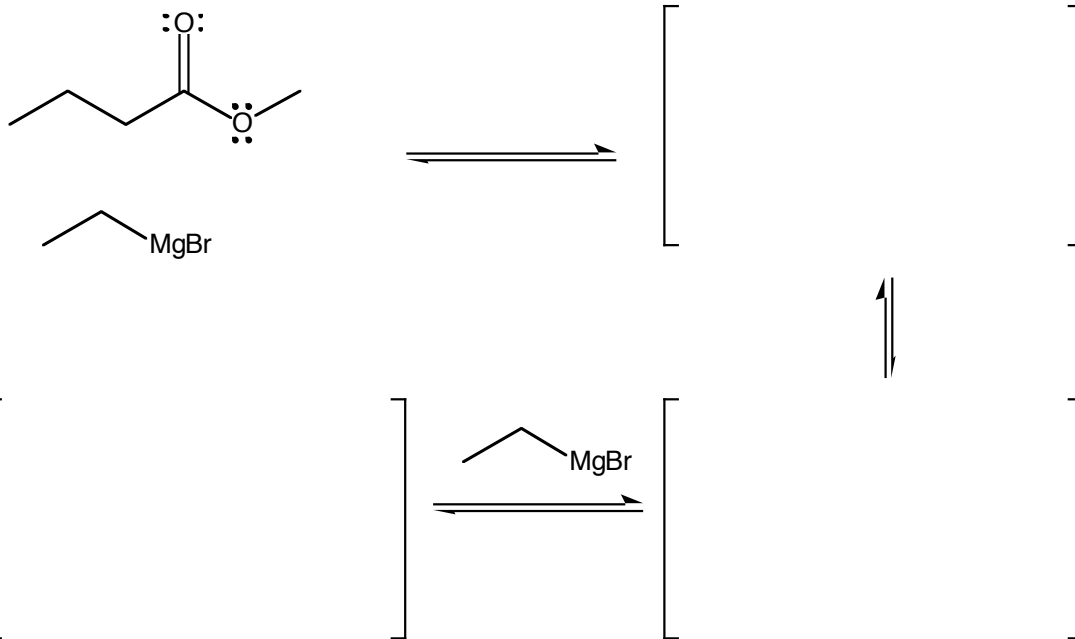
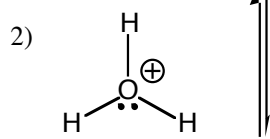


Grignard Reacting with Esters

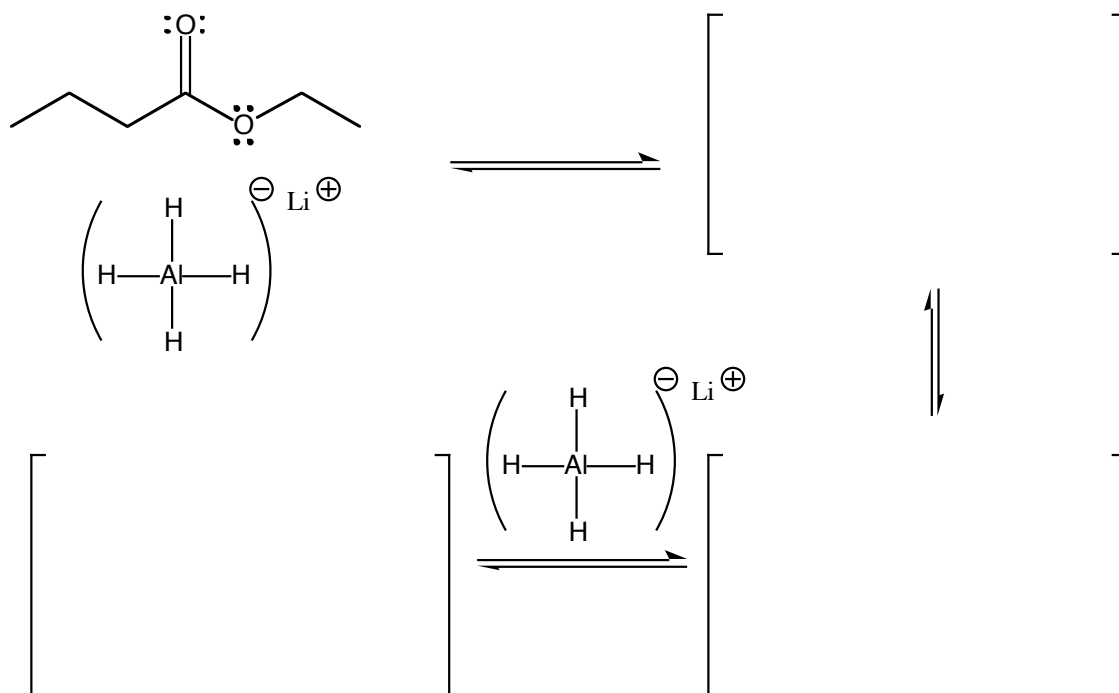


Chemist Opens Flask



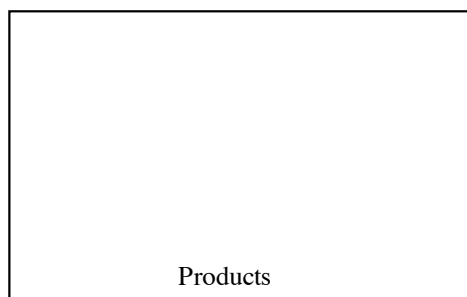
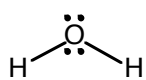
Products

Reduction of Esters with LiAlH₄

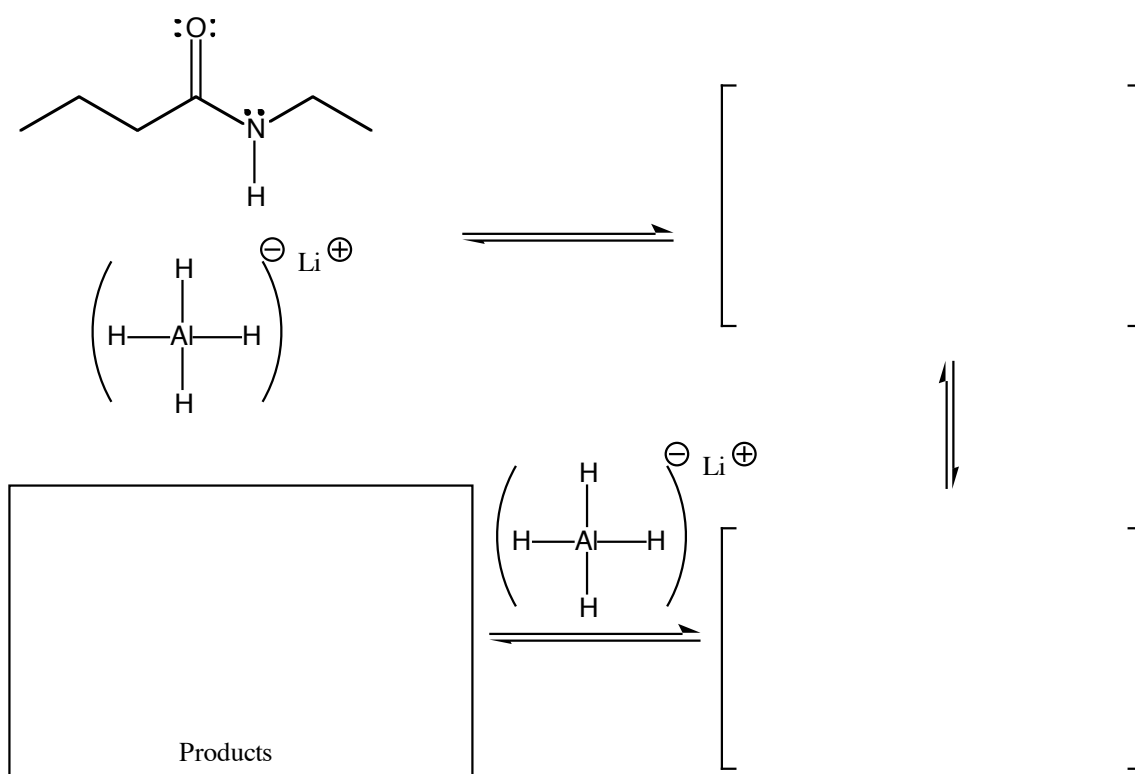


Chemist Opens Flask

2)



Reduction of Amides with LiAlH_4



Note: In this reaction the chemist opens the flask and adds water in a second step that quenches any excess LiAlH_4 . Therefore, you need a second step to add water when using this reaction in synthesis even though it is not shown in the mechanism above.

Interconversion of Carboxylic Acid Derivatives

