## **CHEM – 647**

# **Organic synthesis**



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### **Target Molecule**

# Ph O H Me C C CH

## **Disconnection**

### **Synthesis**

CHECH 
$$\xrightarrow{\text{Na}}$$
 CHEC  $\xrightarrow{\text{PhCOMe}}$  TM



### **Target Molecule**

## **Disconnection**

## **Synthesis**



#### Reduction with NaBH4 or LiAlH4

## **Exercise**

Attempt with all alkyl groups one by one



## Two Similar groups on tertiary alcohols

### **Disconnection**

### **Synthesis**



## Two Similar groups on tertiary alcohols

## **Disconnection**



## COMPOUNDS DERIVED FROM ALCOHOLS

Functional Group Interconversions or FGI

