EAS Synthesis Strategies

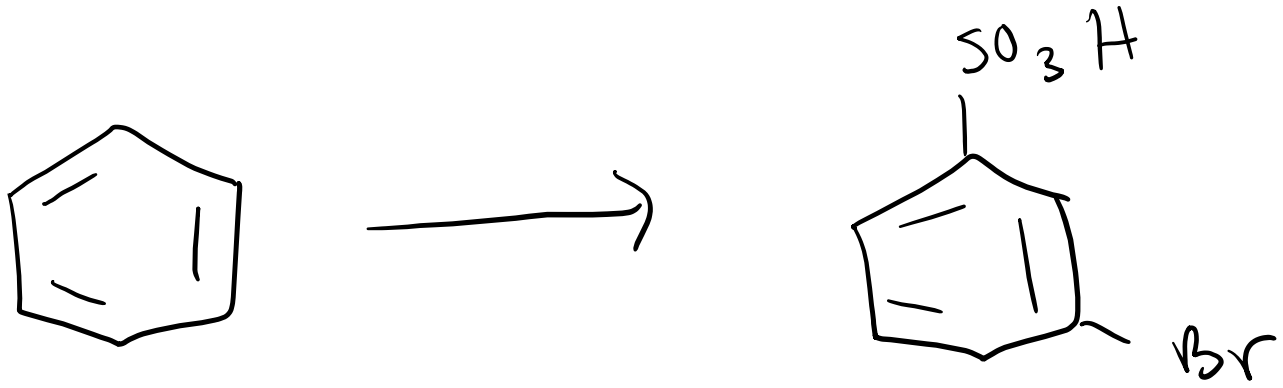
Nucleophilic Aromatic Substitution (S_NAr)

Alcohols

1/27/2023

EAS Synthesis Strategies

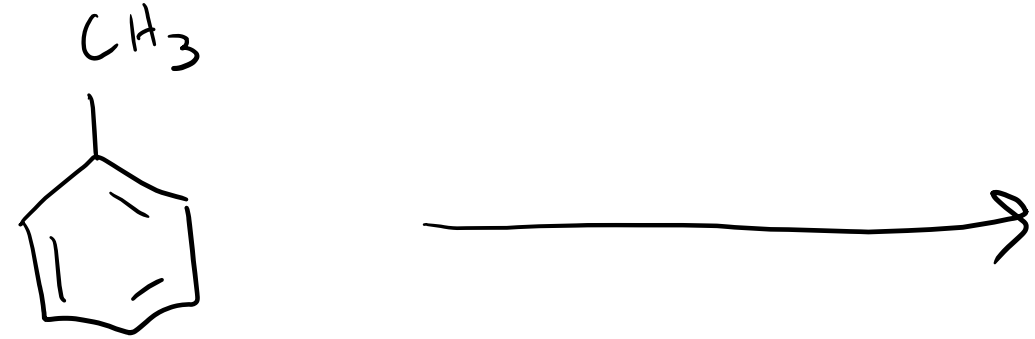
(18.12)

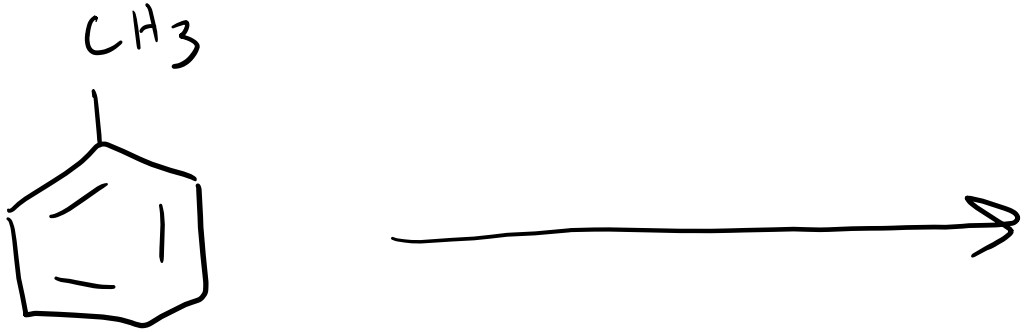


propose a synthesis!

Some Useful Transformations

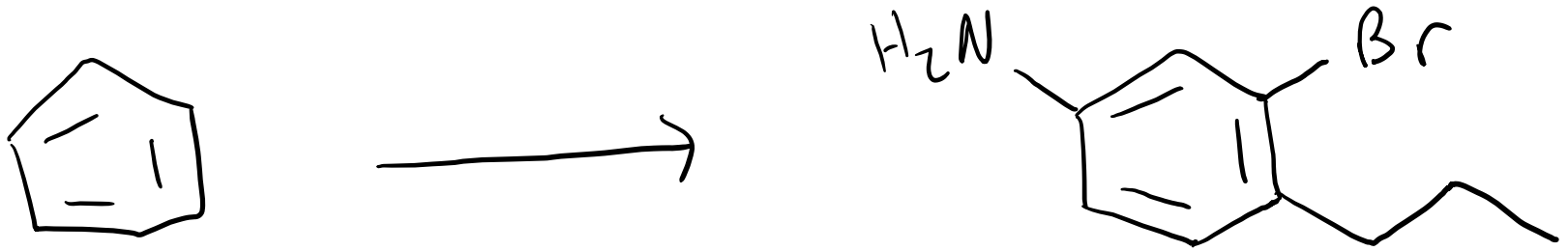
KNOW THESE RECIPES



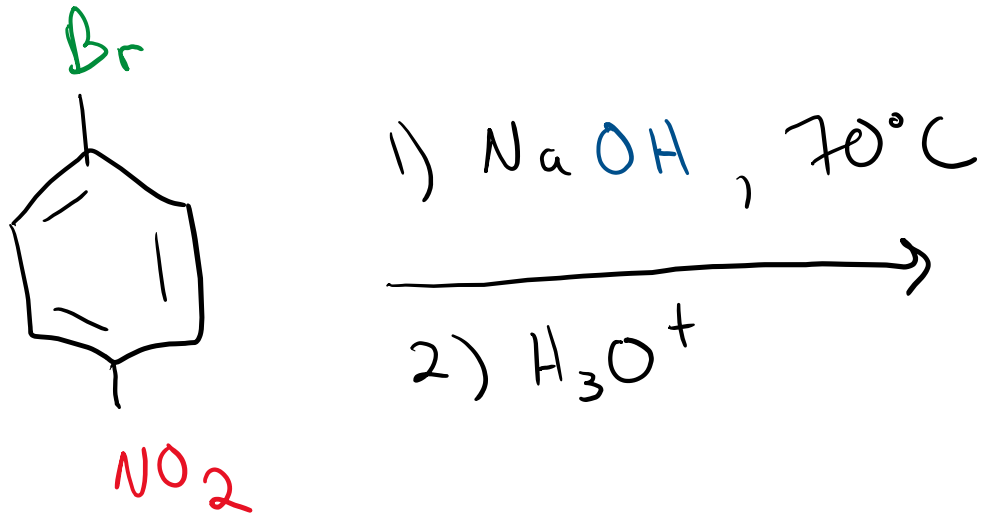


EAS Synthesis Strategies

(18.12)



Nucleophilic Aromatic Substitution (S_NAr) (18.13)



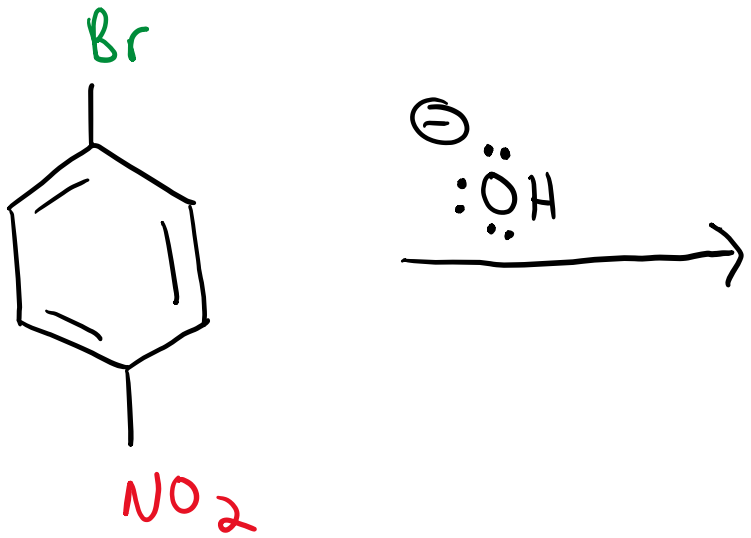
3 requirements for S_NAr:

1.

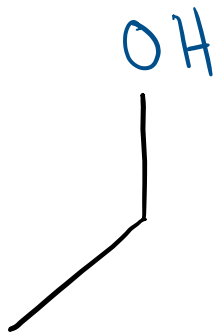
2.

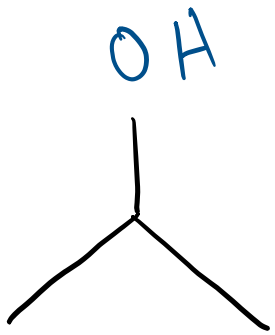
3.

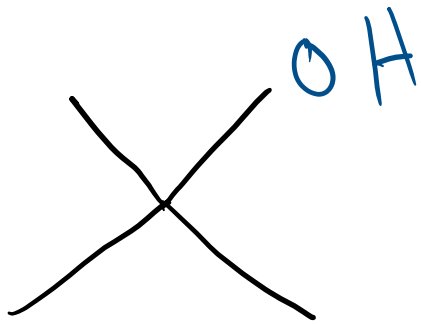
Nucleophilic Aromatic Substitution (S_NAr): Mechanism



Chapter 12: Alcohols

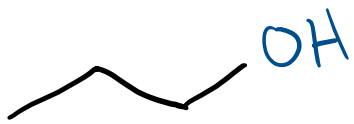


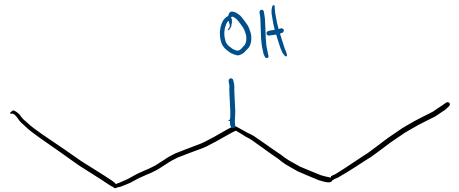




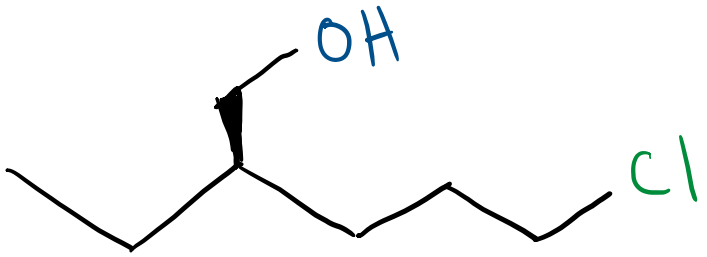
Alcohols: Naming (12.1)

- Identify the **parent chain** – the longest carbon chain containing the –OH group as a substituent, and change the **suffix** from –ane to **-ol**





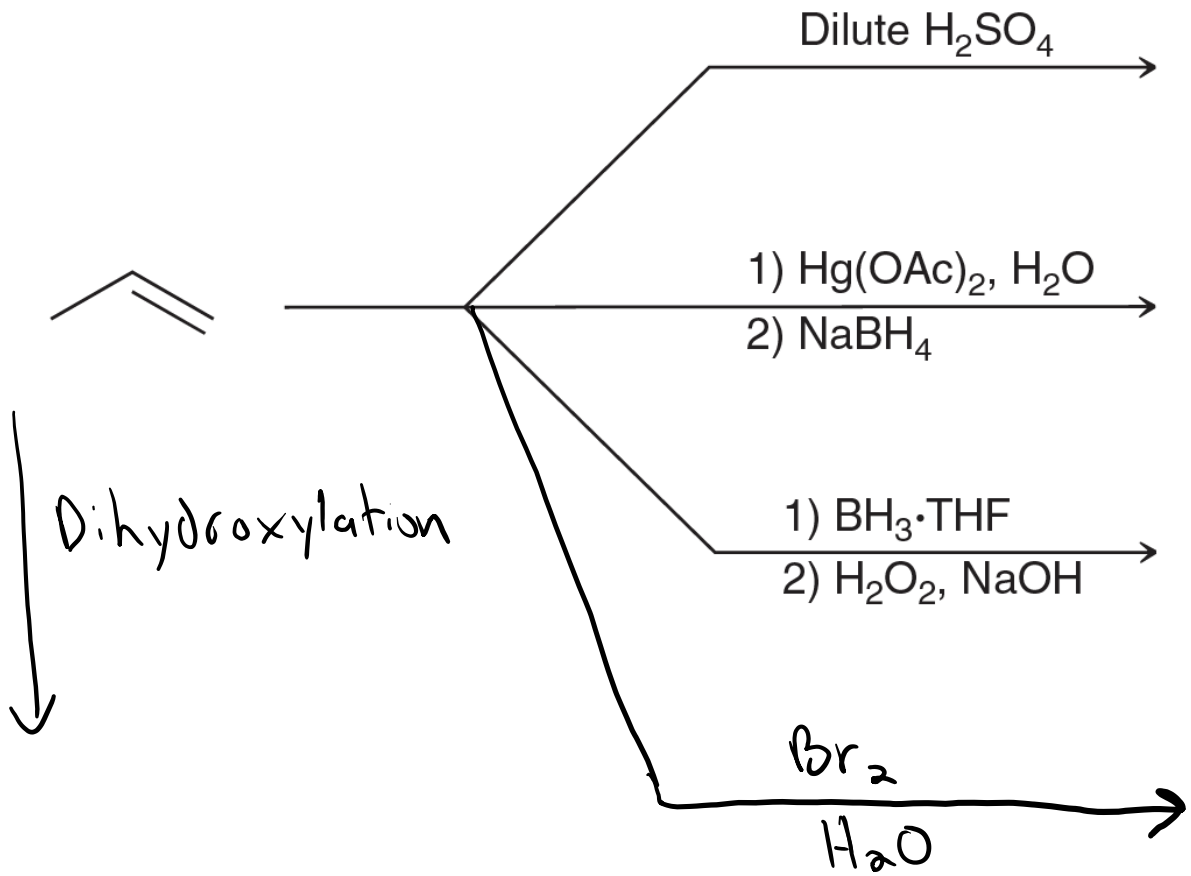
- Add the **locant #** of the carbon bearing the -OH before the **parent chain** name. Number the **chain** so that the **-OH locant # is as small as possible.**



- Name the rest of the substituents, chiral centers, etc. as usual.

Preparation of Alcohols (Chapter 8, Che 211) (12.3)

via alkene addition:



Or, via substitution: