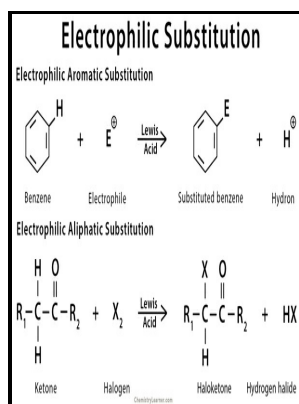


Aromatic substitution reactions.

Prentice-Hall - Electrophilic Aromatic Substitution Reactions



Description: -

- Aromatic substitution reactions.

-

Prentice-Hall foundations of modern organic chemistry series Aromatic substitution reactions.

Notes: Includes index.

This edition was published in 1968



Filesize: 29.410 MB

Tags: #Electrophilic #aromatic #substitution #(video)

Electrophilic aromatic substitution (video)

So that electron-- let me make it very, very clear. Now, the difference here is that in the addition-elimination mechanism, the rate-determining step is the nucleophilic addition to the aromatic ring because breaking the aromaticity is energetically very unfavorable: Therefore, the loss of the fluoride does not significantly slow down the reaction. Substituents that draw electron density away from the aromatic ring slow the reaction down.

Electrophilic Aromatic Substitution: The Six Key Reactions

So, no S N1 or S N2 in nucleophilic aromatic substitutions! The Mechanism of Electrophilic Aromatic Substitution Regardless of what electrophile is used, the electrophilic aromatic substitution mechanism can be divided into two main steps.

22.4: Electrophilic Aromatic Substitution

Now this guy lost his electron and it would have a positive charge.

Chapter 20 Notes

We had this double bond here, which is this double bond right over here.

Electrophilic Aromatic Substitution: The Six Key Reactions

Where do the substituents end up? The cation may rearrange to a more stable carbocation, and then react by mode 1 or 2. Electrophilic Aromatic Substitution Reactions and Reagents The following table contains a summary of the key reactions to introduce a substituent onto an aromatic system.

Solved: 3) In Electrophilic Aromatic Substitution Reaction...

In the case of chlorination, the Lewis acid AlCl_3 , below accepts a pair of electrons from Cl_2 .

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