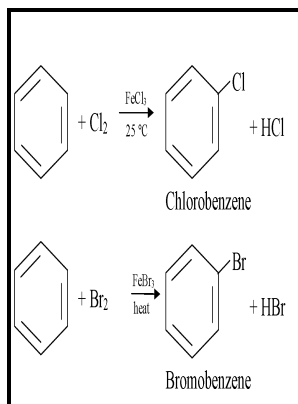


Aromatic substitution reactions.

Prentice-Hall - CHEM 332 Exam 4 Problems



Description: -

- Aromatic substitution reactions.

-

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

Notes: Includes index.

This edition was published in 1968



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Tags: #Aromatic #Reactivity

Aromatic Reactivity

The specific electrophile believed to function in each type of reaction is listed in the right hand column.

Reactions of Aromatic Compounds — Organic Chemistry Tutor

Some examples of Friedel-Crafts acylation reactions are shown in the following diagram.

Electrophilic Aromatic Substitution Mechanisms and Reactions

And I'll give you particular cases in the next few videos, so you can better visualize what a really strong electrophile is.

Electrophilic Aromatic Substitution Reactions

This overlap of orbitals enables delocalization of the 6 π electrons around the ring.

Electrophilic aromatic substitution (video)

If it bumps just in the right way to something that's really good at getting electrons, what might happen-- let's say we have this electron right here.

Nucleophilic Aromatic Substitution

The Meisenheimer complex is not stabilized when the EWG group is meta to the leaving group. In the case of the nitrogen and oxygen activating groups displayed in the top row of the previous diagram, electron donation by resonance dominates the inductive effect and these compounds show exceptional reactivity in electrophilic substitution reactions.

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