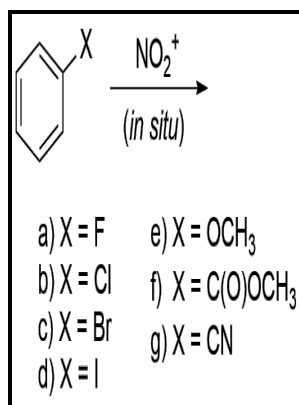


Aromatic nitration

Cambridge University Press - Nitration [HNO₃/H₂SO₄]



Description: -

-

Germination.

Seeds.

Mystery/Suspense

Fiction / General

Landscape gardening

Landscape architecture.

Thailand -- Description and travel -- Guidebooks

Developmentally disabled children -- Education.

Anthroposophical therapy.

Child development deviations.

Steiner, Rudolf, 1861-1925.

Bolívar, Simón, 1783-1830.

English language -- Rhetoric

Rhetoric

Aromatic compounds.

Nitration.Aromatic nitration

-Aromatic nitration

Notes: Includes bibliographical references and indexes.

This edition was published in 1980



Filesize: 30.29 MB

Tags: #CA1066308A

Nitration

So let's go ahead and draw our benzene ring over here. And the nitronium ion is positively charged. Friedel-Crafts Alkylation and Acylation
 Friedel-Crafts is a set of two reactions both of which are looking to make a new carbon-carbon bond.

18.4 Aromatic Nitration and Sulfonation

With some exceptions, such as the halogens, deactivating substituents direct substitution to the meta location.

Electrophilic Aromatic Substitution

Some 2, 6-isomer of dinitrotoluene is produced by nitrating ortho-nitrotoluene whereas solely the 2, 4-dinitrotoluene isomer is produced from para-nitrotoluene which again shows the importance of obtaining para-nitrotoluene. Zeolite beta-I entry 6 is found to be the best catalyst for the nitration of aromatic hydrocarbons to nitroaromatics with high p-selectivity. Preferably the reactants should be highly soluble in the diluent in order to achieve preferred results.

Aromatic Reactivity

Another variation in the conventional nitration process has been suggested which employs lower temperatures and a catalyst. Illustrated Glossary of Organic Chemistry.

Aromatic Nitration

As can be seen, the π electron population at the ortho and para positions is depleted for the case of an electron-withdrawing group, causing meta attack to be occur as the least disfavoured option.

Ch12: Aromatic nitration

Having discussed the overall reactivity pattern and relative rates, some examples of interest will be considered individually. This compares with a

partial rate factor 3. Pressure suited for practicing this invention can vary from sub-atmospheric to super-atmospheric although atmospheric pressures are preferred for reasons of efficiency and economy.

Aromatic Reactivity

The melting point nitrobenzoate is a range from 94. The resulting product is a soluble, granular, porous product having sufficient mechanical strength to support its own weight. The electrophilic attacking the aromatic ring generally takes time and is a slow process.

CA1066308A

Mechanism To produce benzenesulfonic acid from benzene, fuming sulfuric acid and sulfur trioxide are added. Preferably at least a stoichiometric amount to about 100% in excess of soluble .:

Related Books

- [Adobe Illustrator for the Mac - fast & easy](#)
- [Basic electronics - components, devices, and circuits](#)
- [Madeleine Delbr el - die andere Heilige](#)
- [The meaning of shinto - The primaeval foundation of crative spirit in modern Japan](#)
- [Maanhankintalupa](#)