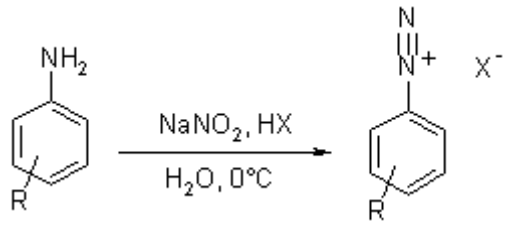
AnsweronQuestion #52877 – Chemistry – Organic Chemistry



The nitrosation of primary aromatic amines with nitrous acid is a process that results in the production of diazonium salts. They are generated in situ from sodium nitrite and a strong acid, such as hydrochloric acid, **sulfuric acid**, or HBF4.

The intermediates resulting from the diazotization of primary, aliphatic amines are unstable; they are rapidly converted into carbo cations after loss of nitrogen, and yield products derived from substitution, elimination or rearrangement processes [Gurdeep Raj 2008]

Mechanism of Diazotisation