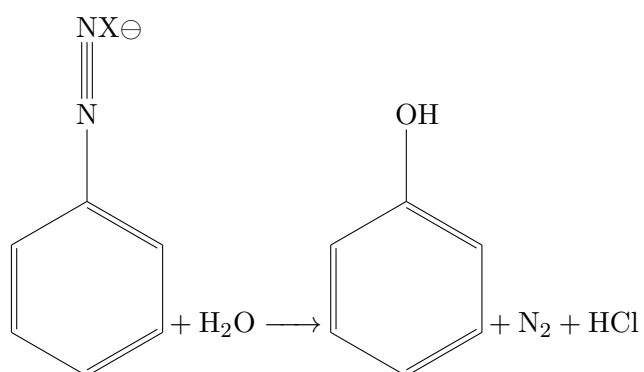

List of methods of preparation of phenol

- Diazonium salts
- Alkali fusion of sulphonates
- Haloarenes
- Decarboxylation of sodium salicylate
- Chlorobenzene
- Cumene

Expression for reaction of preparation of phenol from diazonium salts



Reactants in reaction of preparation of phenol from diazonium salts

- Benzene diazonium salt
- Water

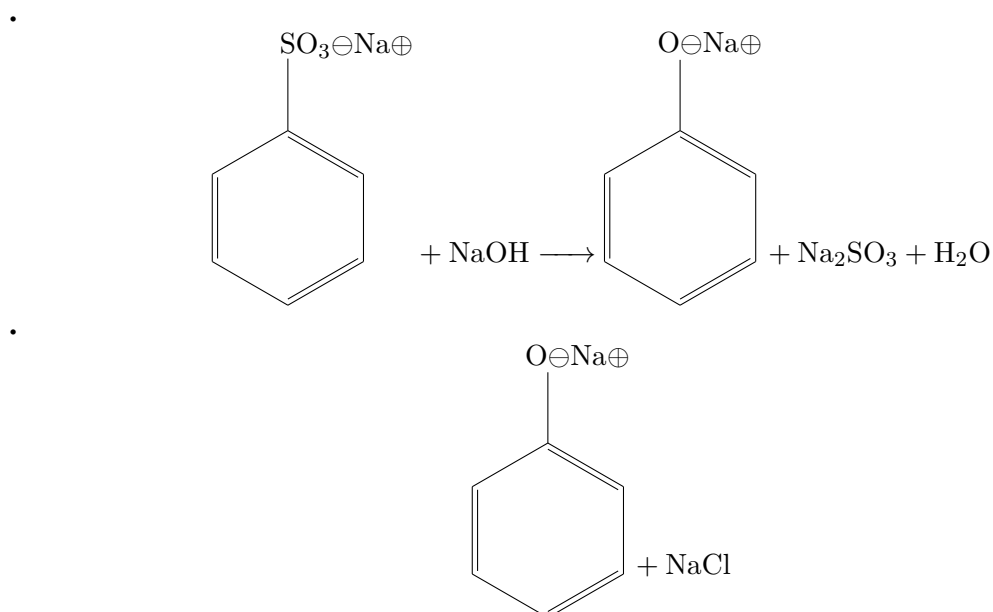
Products in reaction of preparation of phenol from diazonium salts

- Phenol
- Nitrogen gas
- Hydrochloric acid

Condition for reaction of preparation of phenol from diazonium salts

- Heat
- Acidic medium

Expression for reaction of preparation of phenol from fusion of sulphonates



Reactants in reaction of preparation of phenol from fusion of sulphonates

- Sodium benzenesulphonate
- Sodium hydroxide

Intermediate product in reaction of preparation of phenol from fusion of sulphonates

- Sodium phenoxide
- Sodium sulphonate
- Water

Reagent for reaction of intermediate product in reaction of fusion of sulphonates

Hydro chloric acid

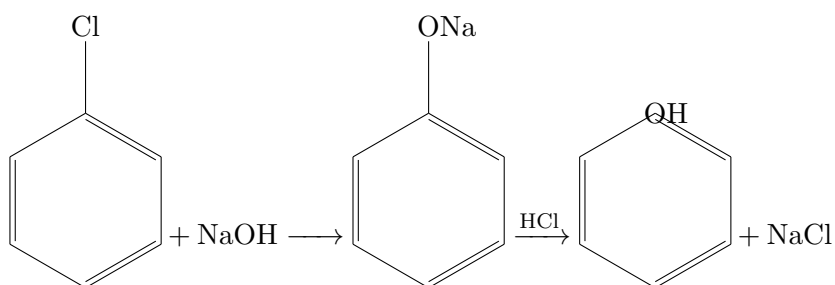
Products in reaction of preparation of phenol from fusion of sulphonates on reaction of intermediate product

- Phenol
- Sodium chloride

Range of temperature for reaction of preparation of phenol from fusion of sulphonates

570K - 623 K

Expression for reaction of preparation of phenol from haloarene



Reactants in reaction of preparation of phenol from haloarene

- Halo benzene
- Sodium hydroxide

Intermediate product in reaction of preparation of phenol from halo arene

Sodium phenoxide

Reagent for reacting intermediate product in preparation of phenol from halo arene

Hydro chloric acid

Products in reaction of preparation of phenol from haloarene

- Phenol
- Sodium chloride
- Hydrochloric acid

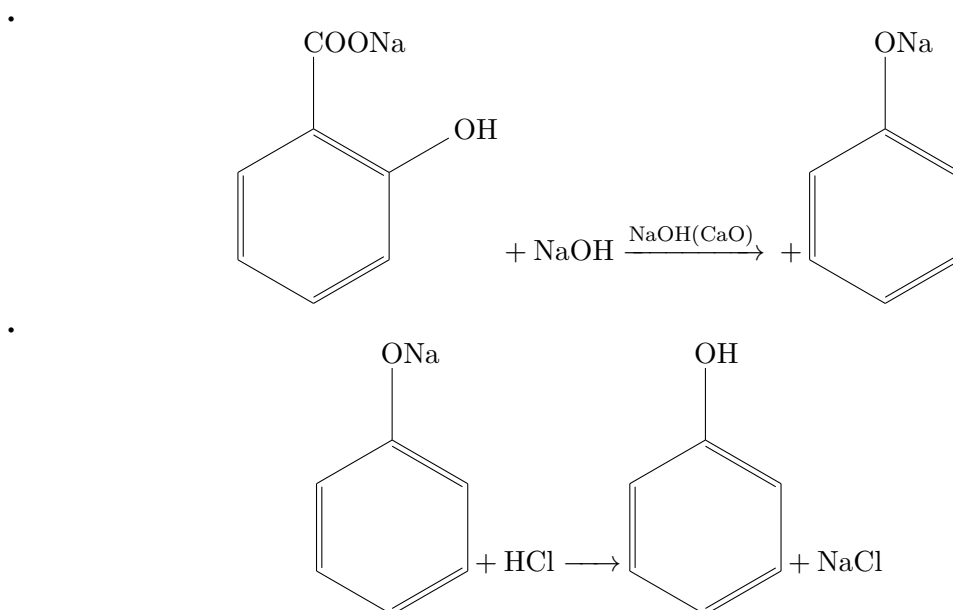
Range of temperature for reaction of preparation of phenol from haloarene

573 - 623 K

Pressure for reaction of preparation of phenol from halo arene

300 atm

Expression for reaction of preparation of phenol from decarboxylation of sodium salicylate



Reactants in reaction of preparation of phenol from decarboxylation of sodium salicylate

- Sodium salicylate
- Sodium hydroxide

Intermediate product in reaction of preparation of phenol from decarboxylation of sodium salicylate

- Sodium phenoxide

Reagent for reacting with intermediate product in reaction of preparation of phenol from decarboxylation of sodium salicylate

- Hydrochloric acid

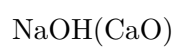
Products in reaction of preparation of phenol from decarboxylation of sodium salicylate

- Phenol

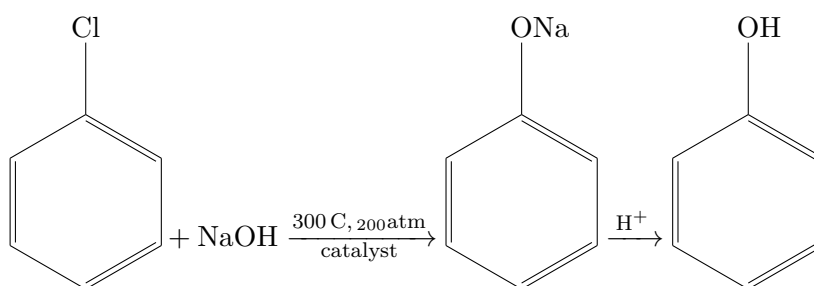
Condition for reaction of preparation of phenol from decarboxylation of sodium salicylate

- Sodalime

Molecular formula of sodalime



Expression for reaction of preparation of phenol from chlorobenzene



Reactants in reaction of preparation of phenol from chlorobenzene

- Chlorobenzene
- Sodium hydroxide

Products in reaction of preparation of phenol from chlorobenzene

- Phenol
- Sodium chloride

Condition of temperature in reaction of preparation of phenol from chlorobenzene

350 C

Condition of pressure in reaction of preparation of phenol from chlorobenzene

200 atm