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Chemistry

SUB. CODE- BSCC2402

For B.Sc. 4th Semester

(Polynuclear Hydrocarbons)
Module-V

Naphthalene Derivatives

By

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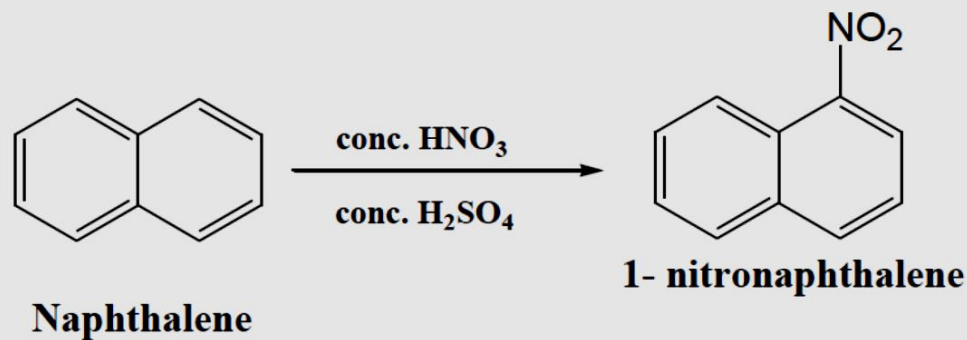
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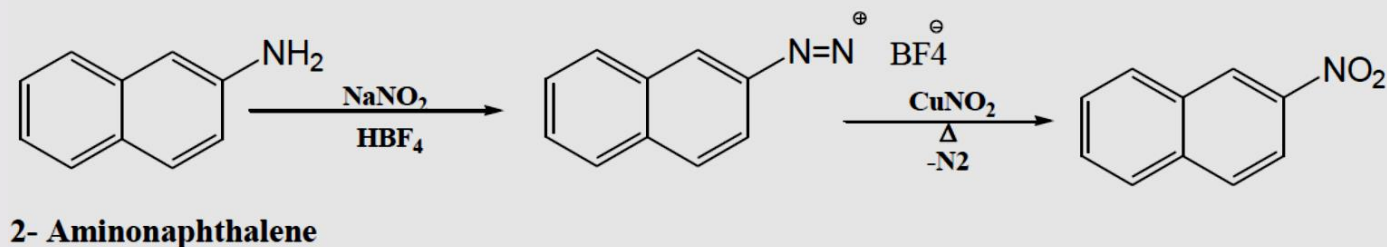
Naphthalene Derivatives

Nitronaphthalene

- 1. naphthalene is prepared by direct nitration



- 2. naphthalene is prepared by indirect method





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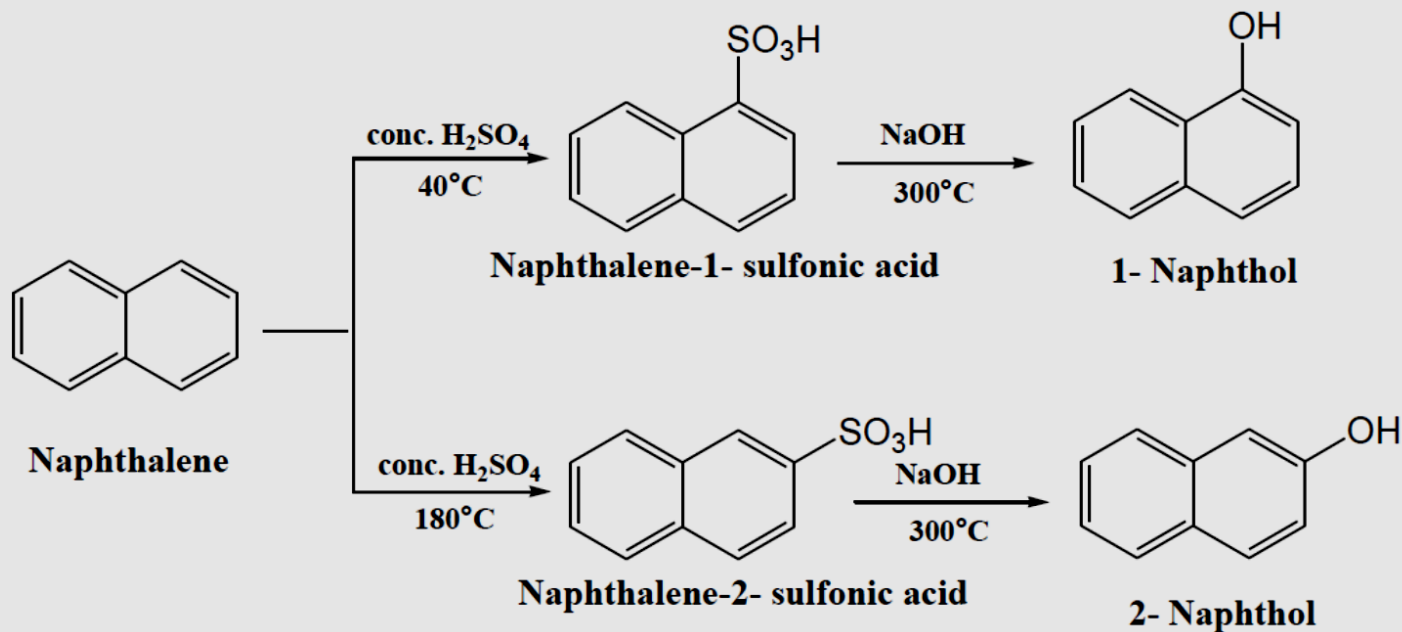
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Naphthalene Derivatives

Naphthols

- **Preparation:**



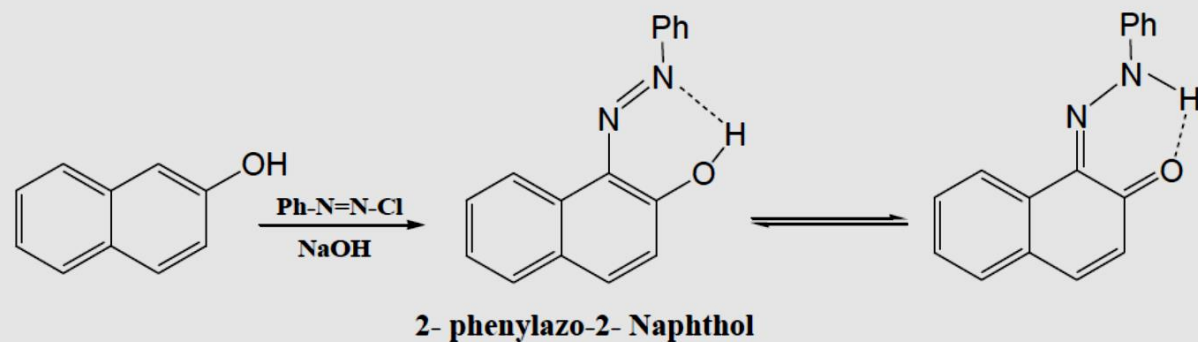
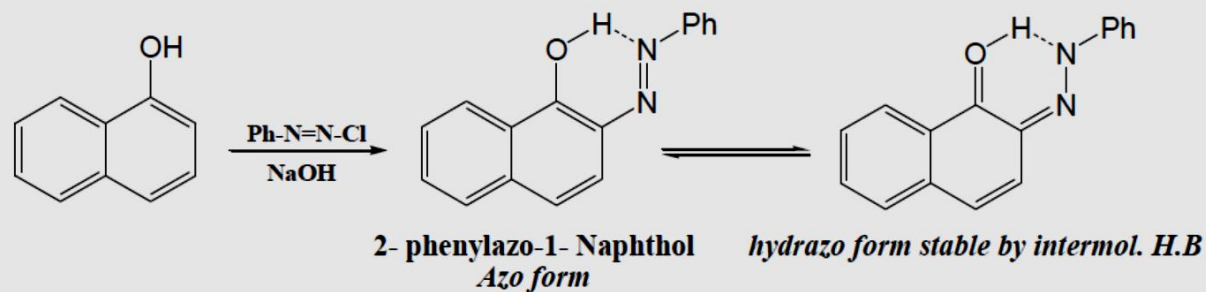


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Properties

1- Reaction of α and β - naphthols with aryl diazonium salt

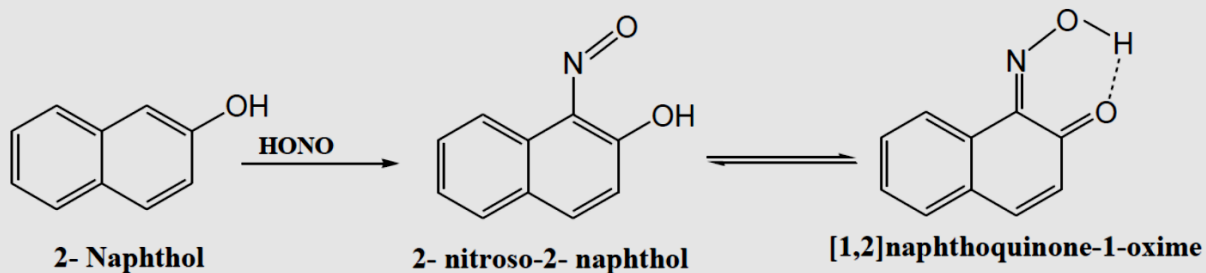
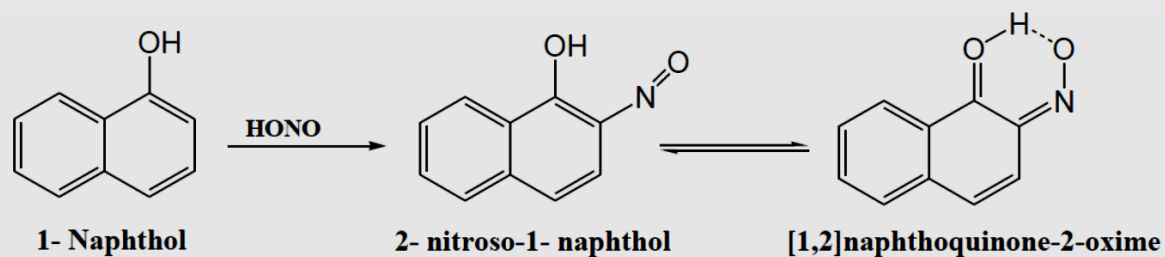




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2- Reaction of α and β - naphthols with nitrous acid

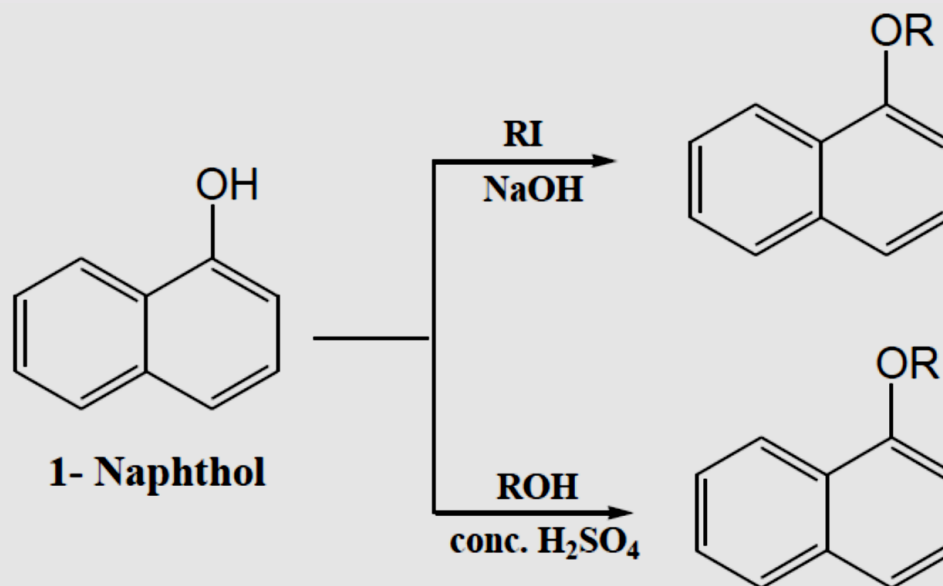




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3- Conversion of α and β - naphthols to naphthylether

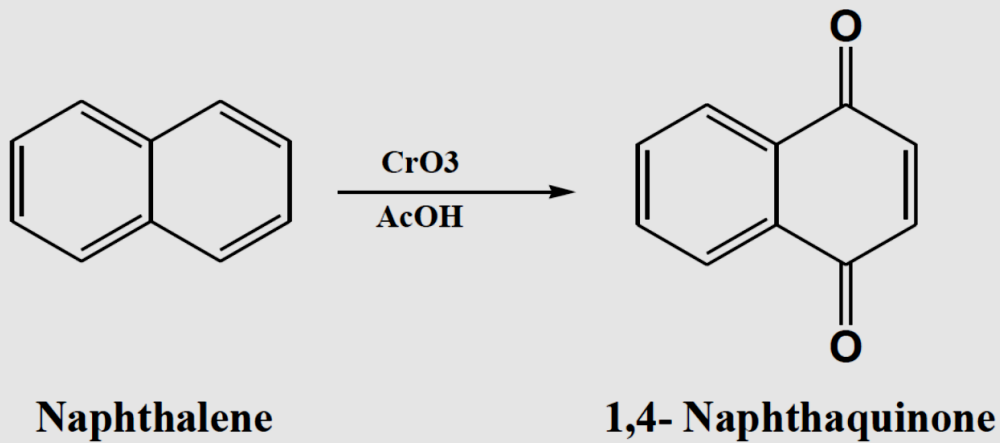




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1,4- Naphthaquinone:



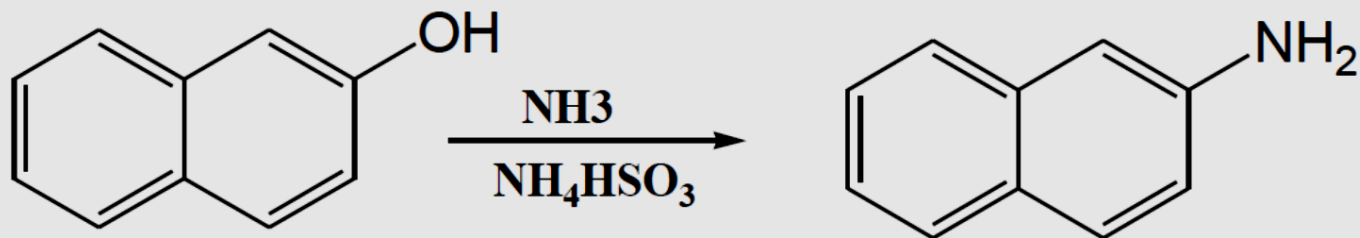


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2-Naphthylamine

Bucherer reaction



β- Naphthol

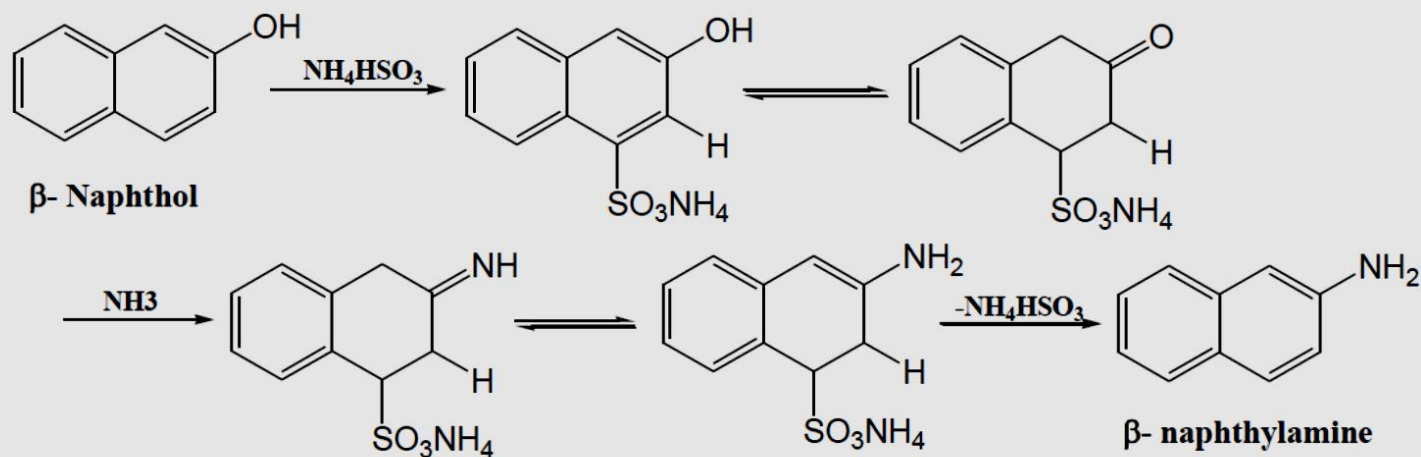
β- naphthylamine



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Mechanism





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References

1. K.D Sharma and Y. R. Sharma, Kalyani Publishers, Unit-II page-233;
2. University Chemistry, Vol-IV, Dr. U. N. Dash, Dr. KK. Ojha, Himalaya Publishing house, Unit III, page-294