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# Diploma in Pharmacy 1<sup>st</sup> Year

## Pharmacognosy

### Experiment

#### To study morphological characters of Fennel

#### Aim:

To study morphological characters of fennel.

#### Reference :

Dr. Gupta G.D , Dr. Sharma Shailesh , Kaur Navjit , “Practical Manual of Pharmacognosy” Published by Nirali Prakashan , Pg.No 13 - 15

#### Biological Sources:

Fennel consists of dried, ripe fruits of plant *Foeniculum vulgare*, belonging to family Umbelliferae.

#### Chemical Constituents:

Fennel consists of 3 – 7% of volatile oil, about 20% of proteins and 20% fixed oils. The chief active constituents of volatile oil are ketone, fenchone (about 20%) and a phenolic ether anethole (about 50%). The other constituents are phellandrene, limonene, methyl chavicol etc.

#### Morphological Characters:

It is a five-sided fruit with green to yellowish brown colour and sweet aromatic odour and taste. Fruits are glabrous and straight.



Figure : Dried Ripe Fruit of Fennel

Please Note draw on left side

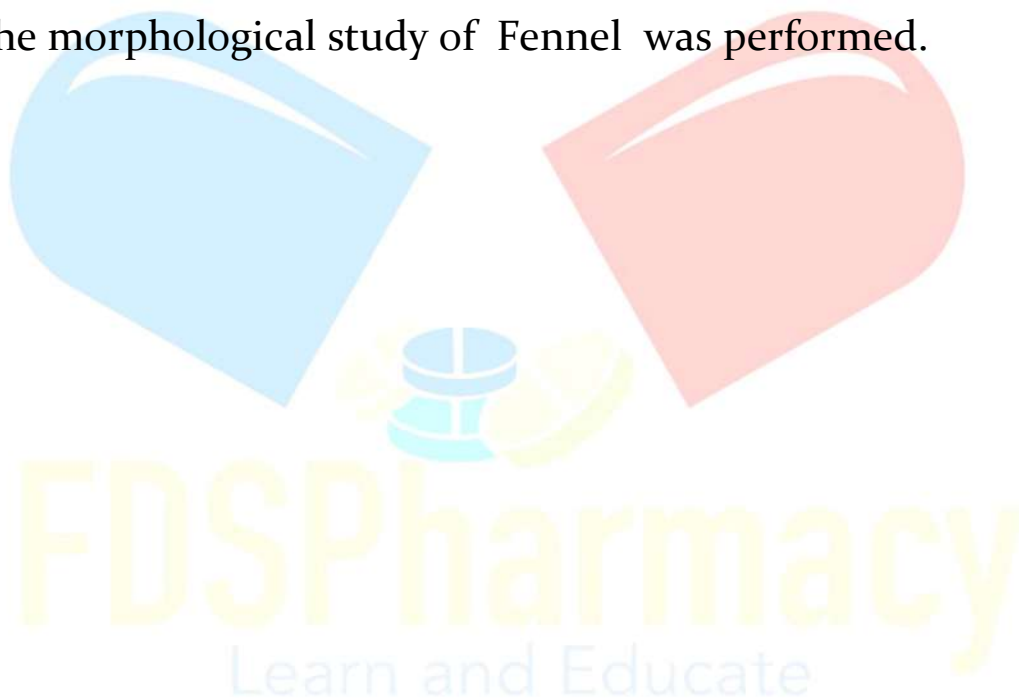


## Uses:

- ✓ It is used as carminative, aromatic and stimulant.
- ✓ It is also an expectorant; pharmaceutically it is used as flavouring agent.

## Result

The morphological study of Fennel was performed.



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