

# **SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES**

*Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai*

*Approved by Pharmacy Council of India, New Delhi.*

**Coimbatore -641035**



**COURSE NAME : PHARMACOGNOSY**

**D.PHARM/ I YEAR**

**TOPIC: CARMINATIVE AND G.I. REGULATORS  
FENNEL,CORIANDER**

## DESIGN THINKING STAGES IN CLASSIFICATION

**Empathize:** Understand the users — in this case, students, pharmacists, or researchers who use the alphabetical classification system.

**Define:** Clearly define the problem based on the insights from the empathize stage.

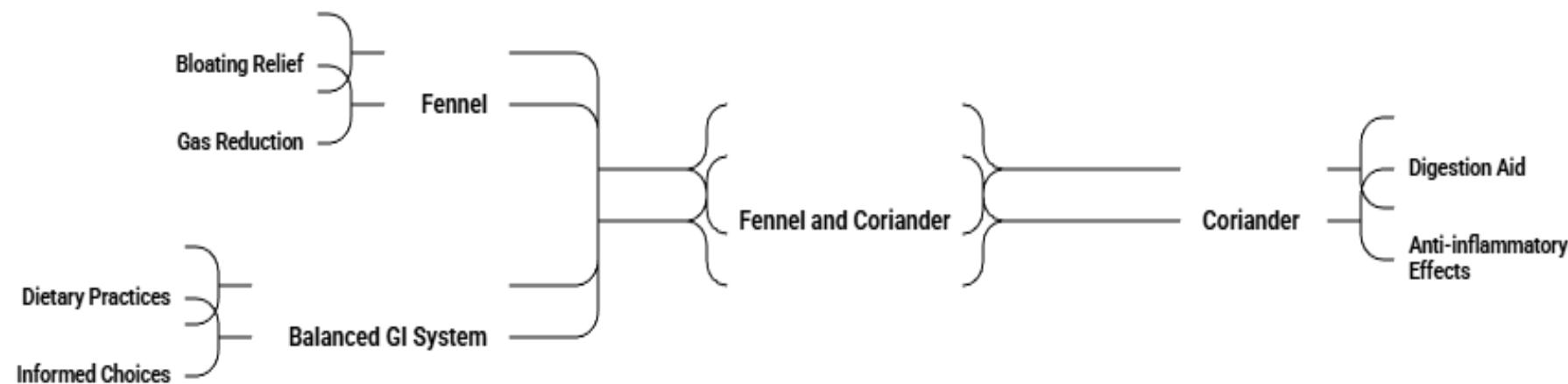
**Ideate:** Generate possible solutions or improvements.

**Prototype:** Create a tangible version of your solution

**Test:** Evaluate the prototype with real users.

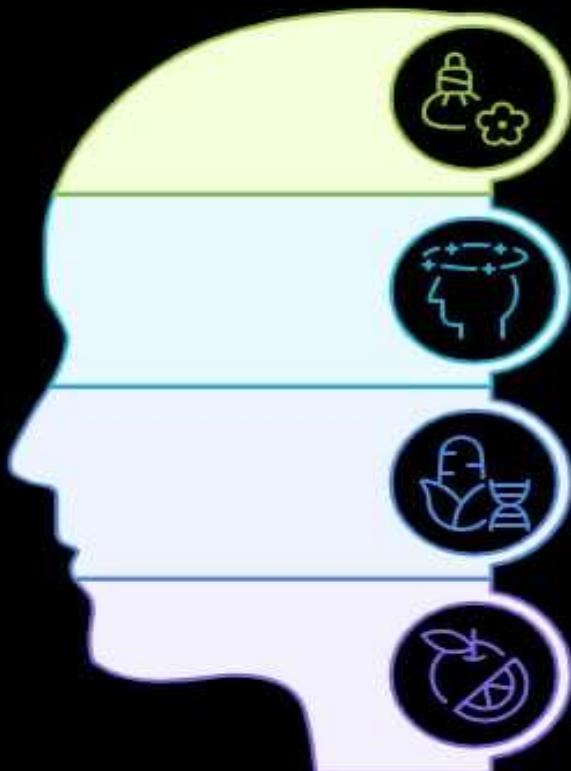
## MINDMAP

### Fennel and Coriander: CARMINATIVE AND G.I. REGULATORS



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## Composition of Fennel Essential Oil



### Anethole

Responsible for sweet taste and anise-like aroma

### Fenchone

Contributes to the camphoraceous note

### Estragole

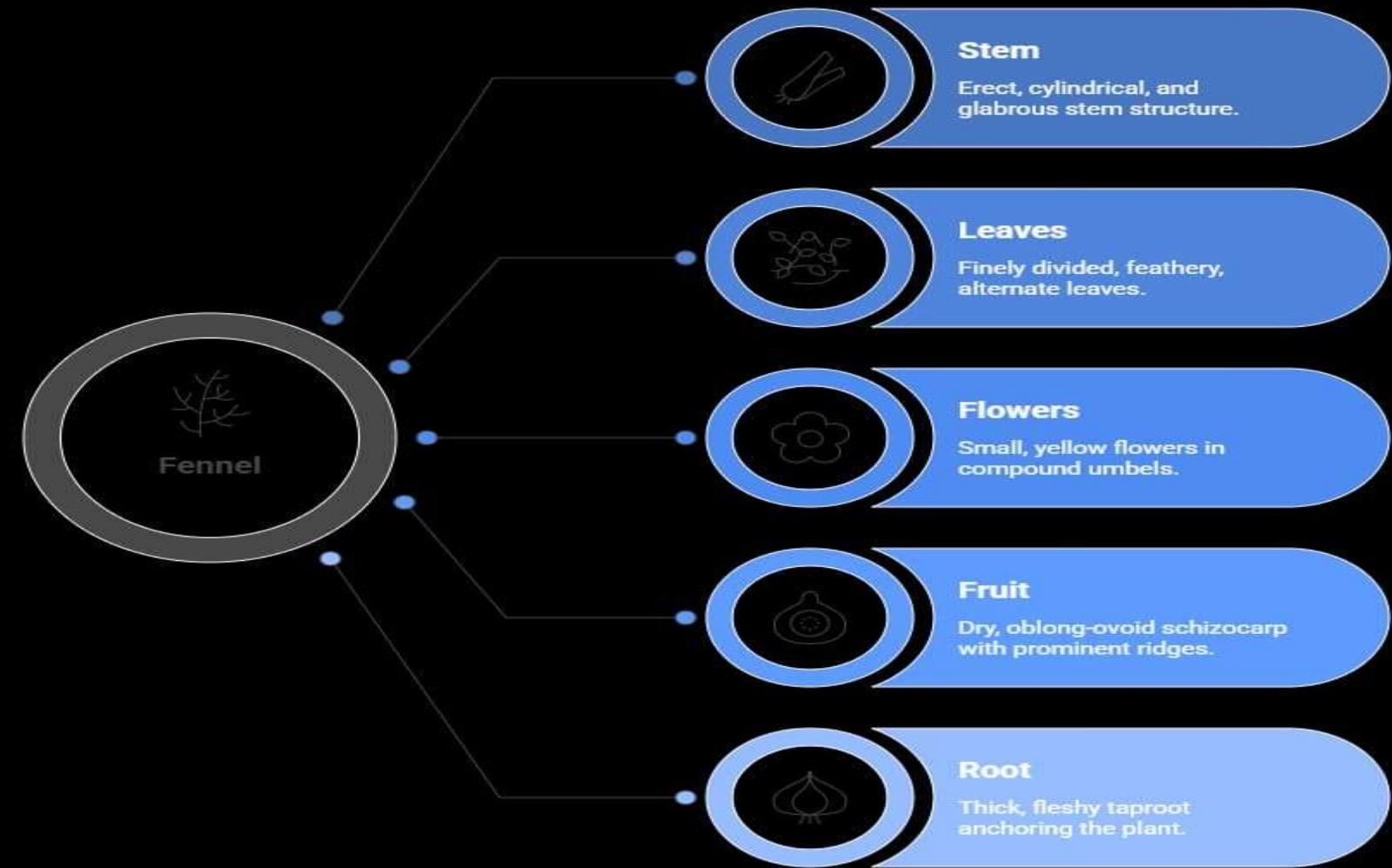
Present in varying amounts depending on the chemotype

### Limonene

A cyclic monoterpene

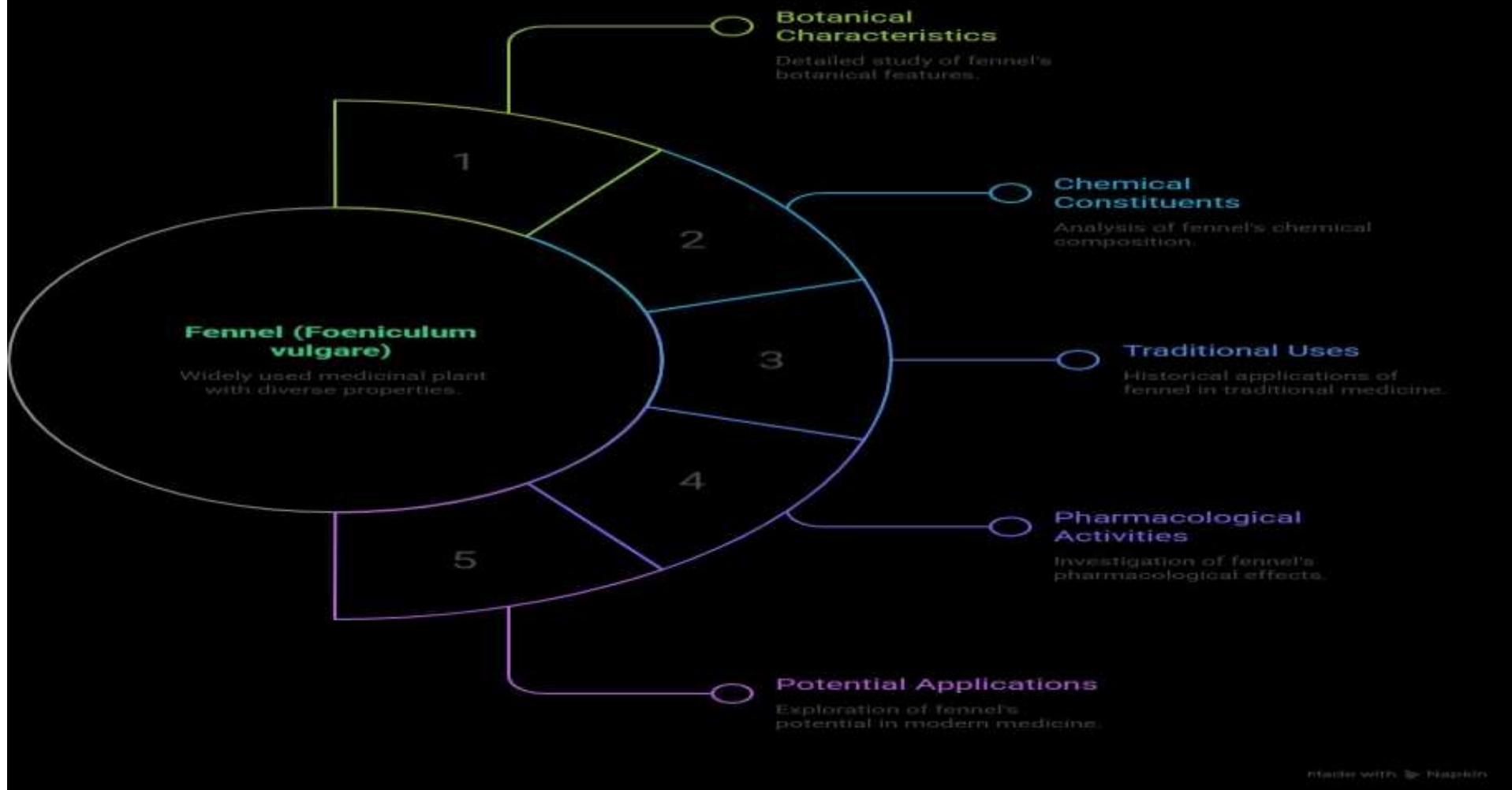
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## Unveiling Fennel's Botanical Features



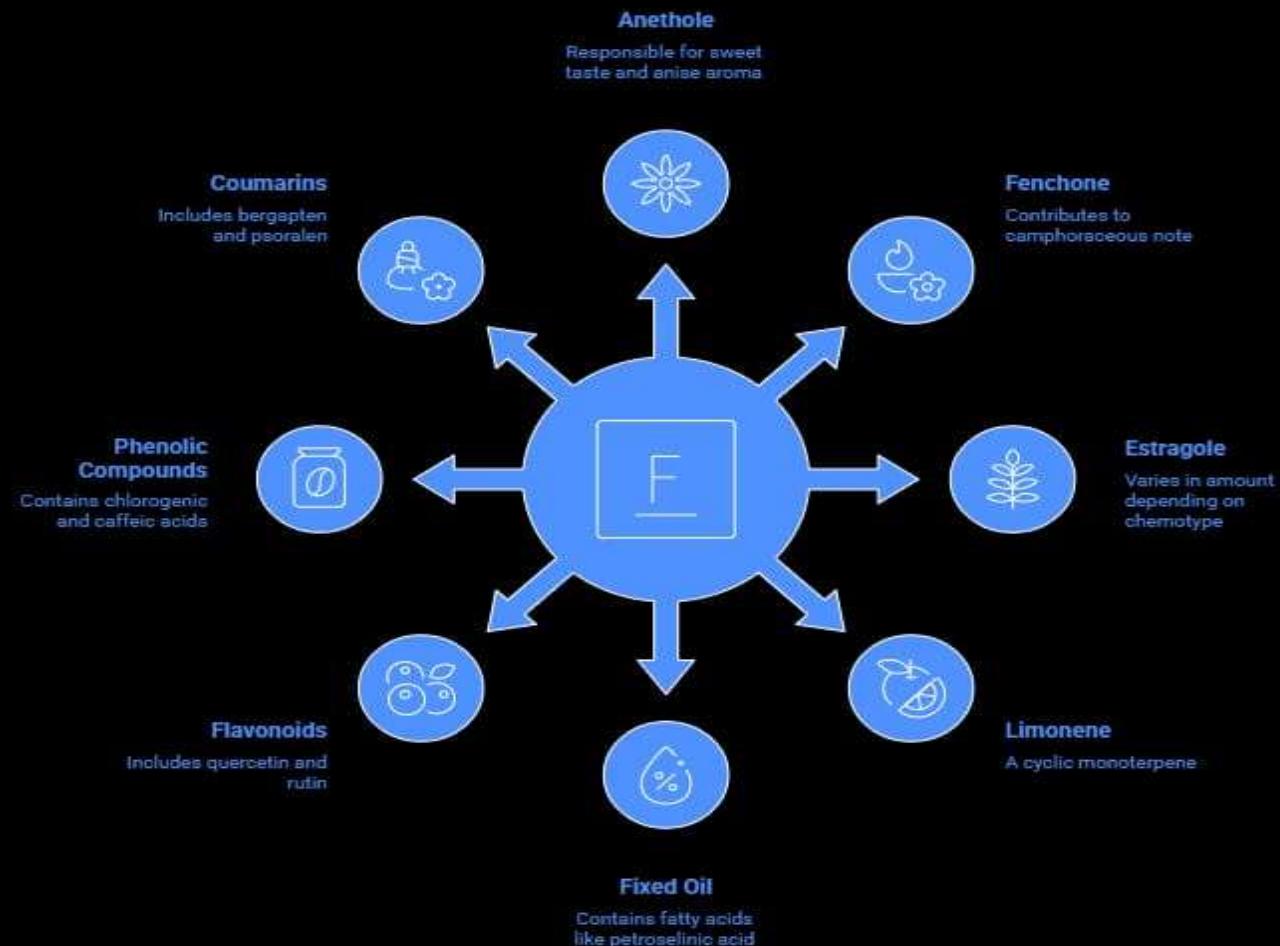
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## Unveiling Fennel's Pharmacognostic Dimensions



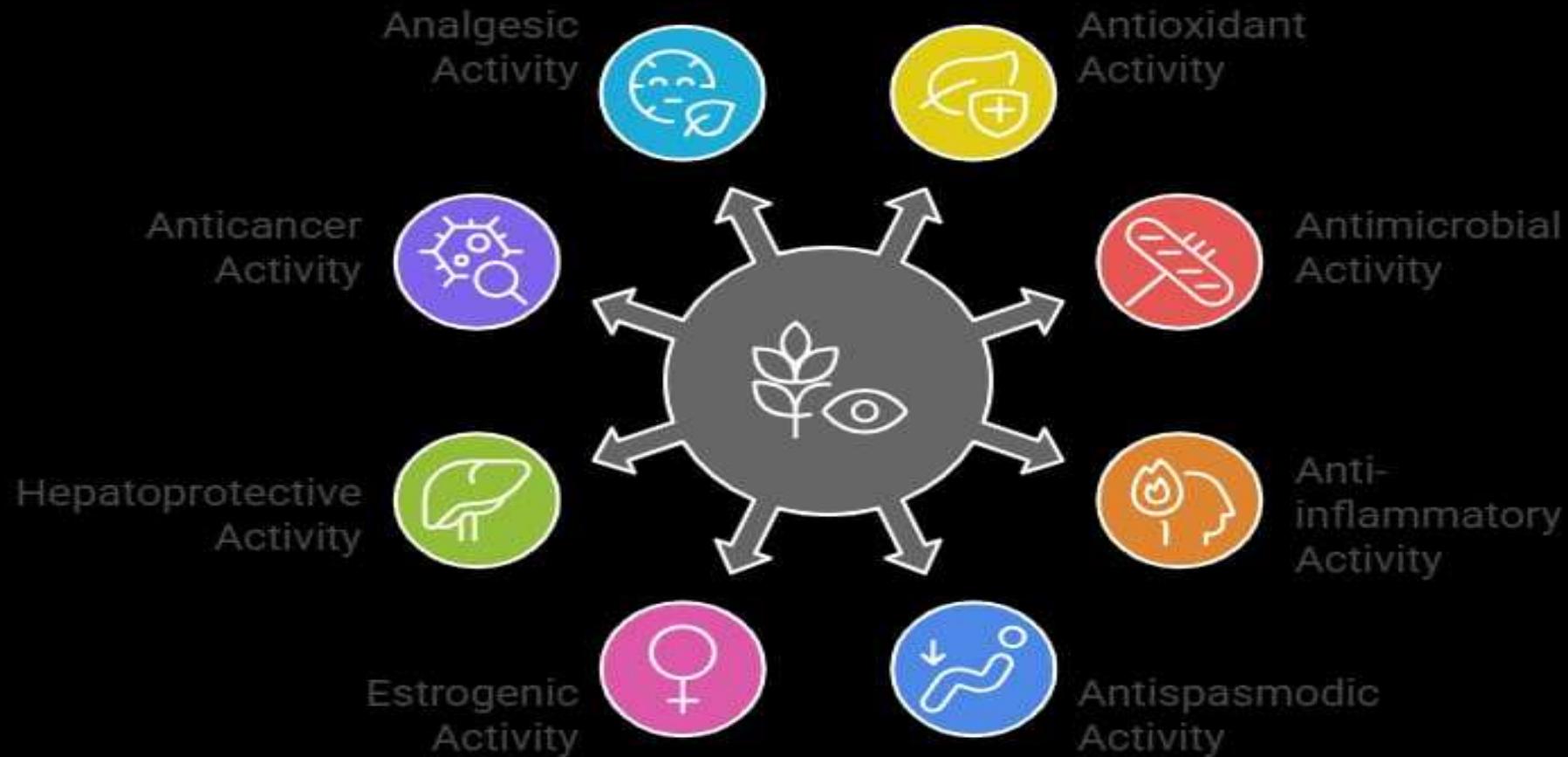
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## Fennel Chemical Constituents



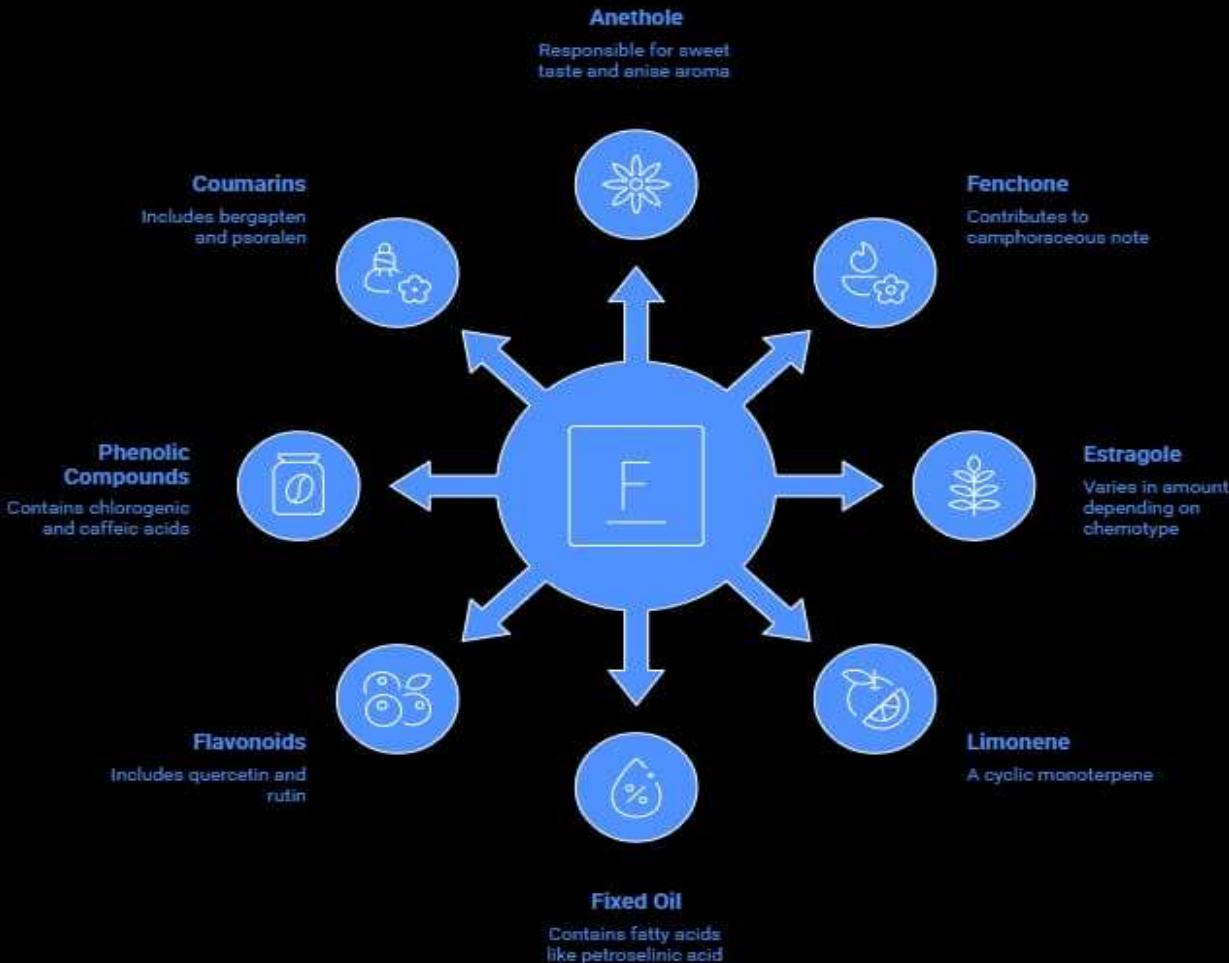
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## Fennel's Pharmacological Activities



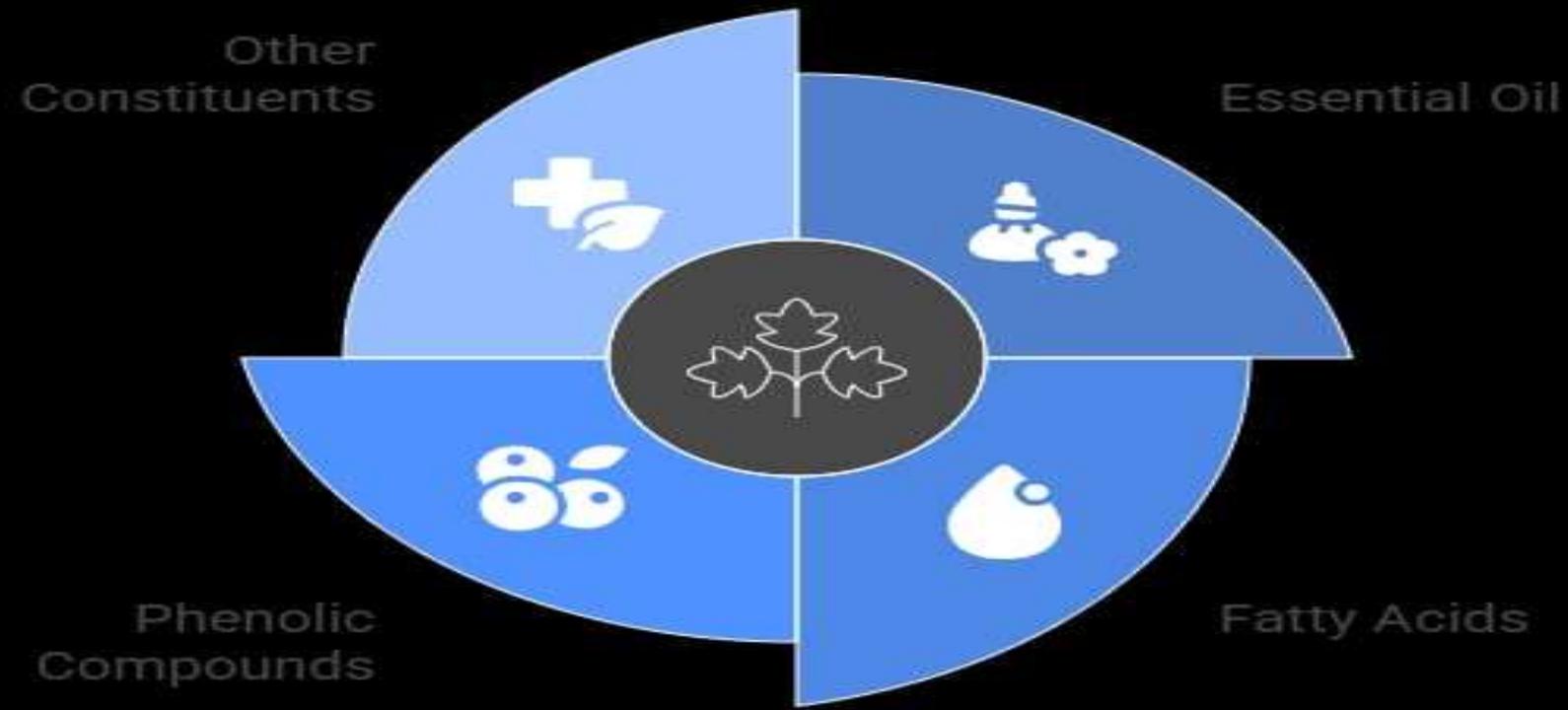
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## Fennel Chemical Constituents



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## Coriander's Chemical Composition



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## Coriander's Botanical Classification and Distribution



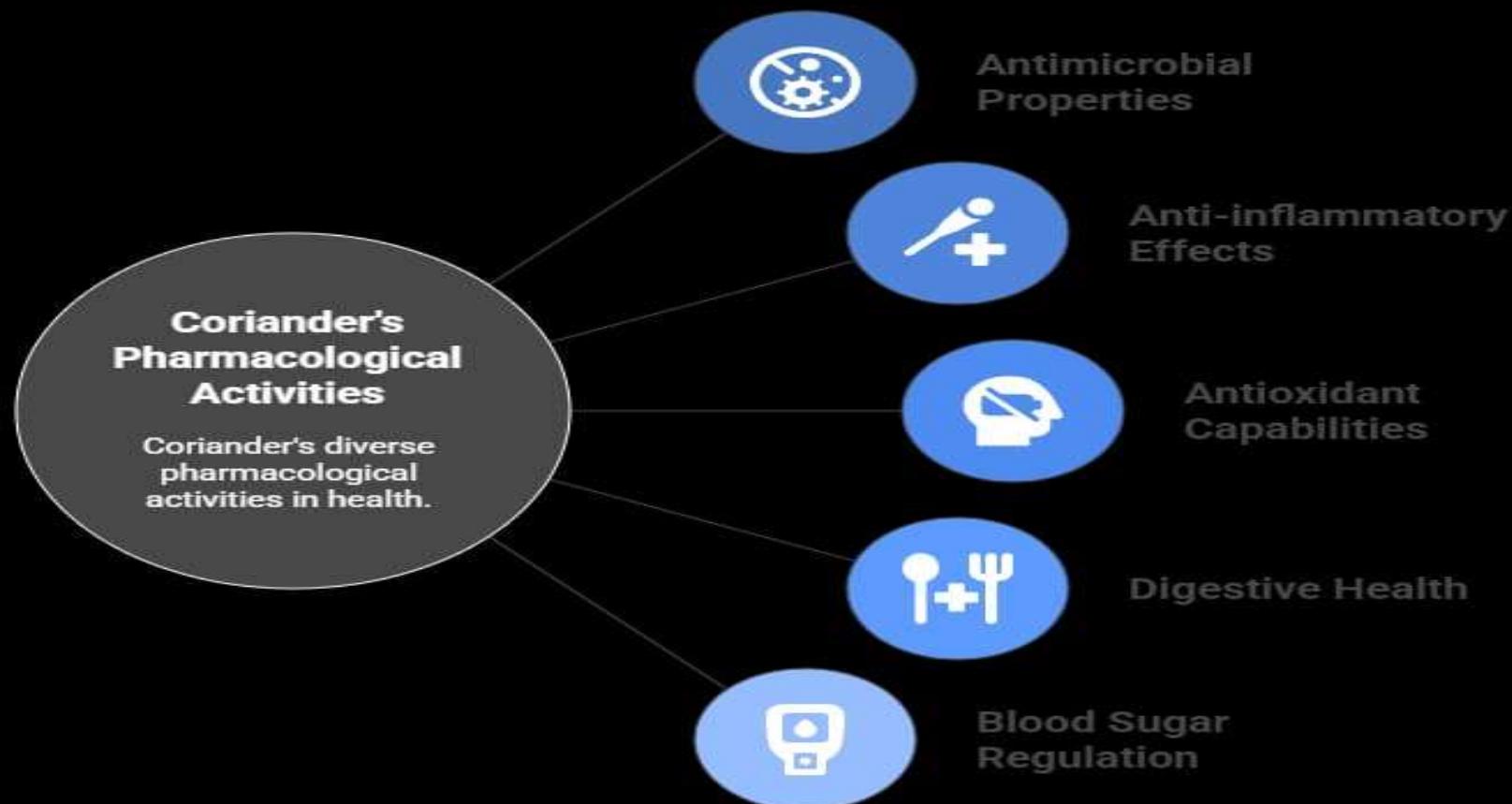
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## The Dual Heritage of Coriander



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## Unveiling Coriander's Multifaceted Health Benefits



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## How to safely consume coriander?



### Moderate Use

Safe for most, enhances flavor

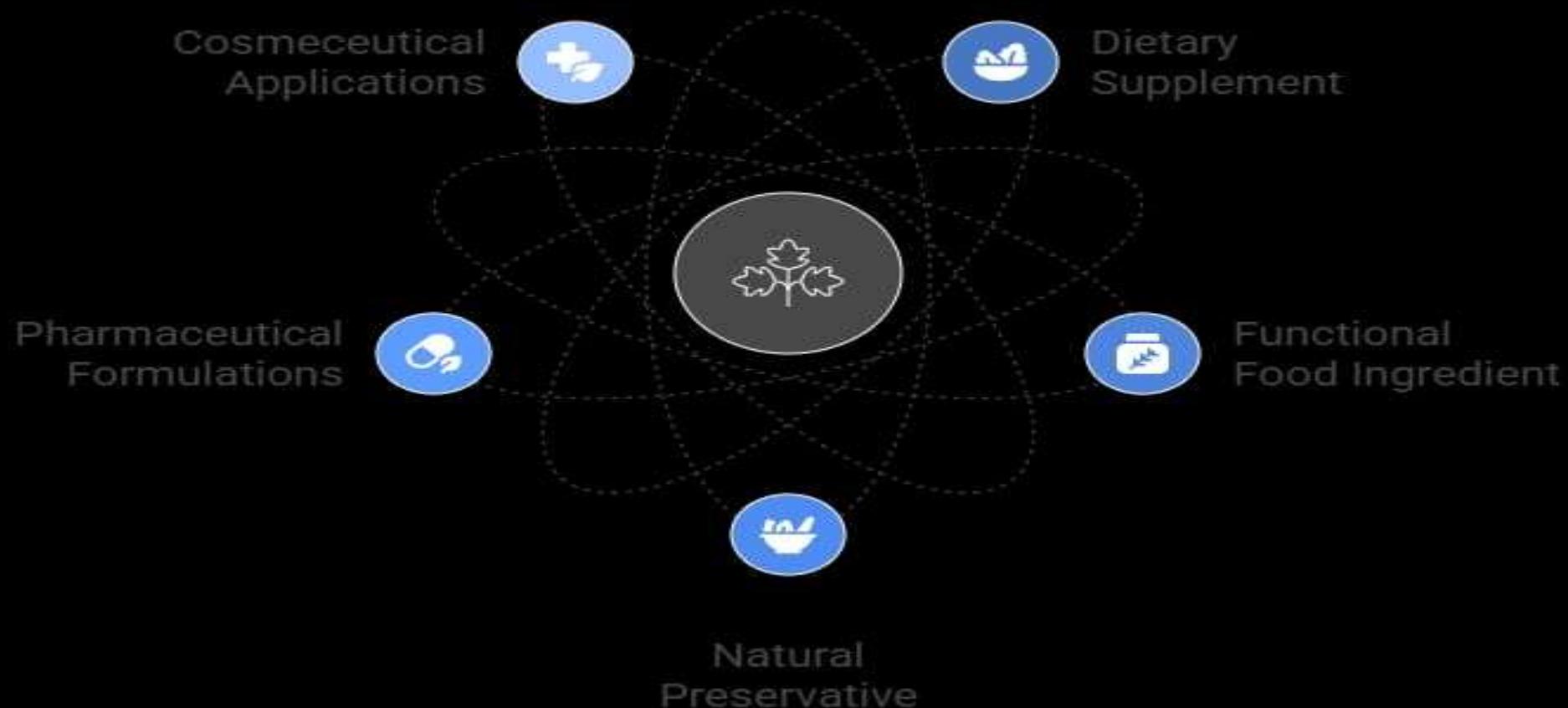


### Excessive Use

May cause adverse effects

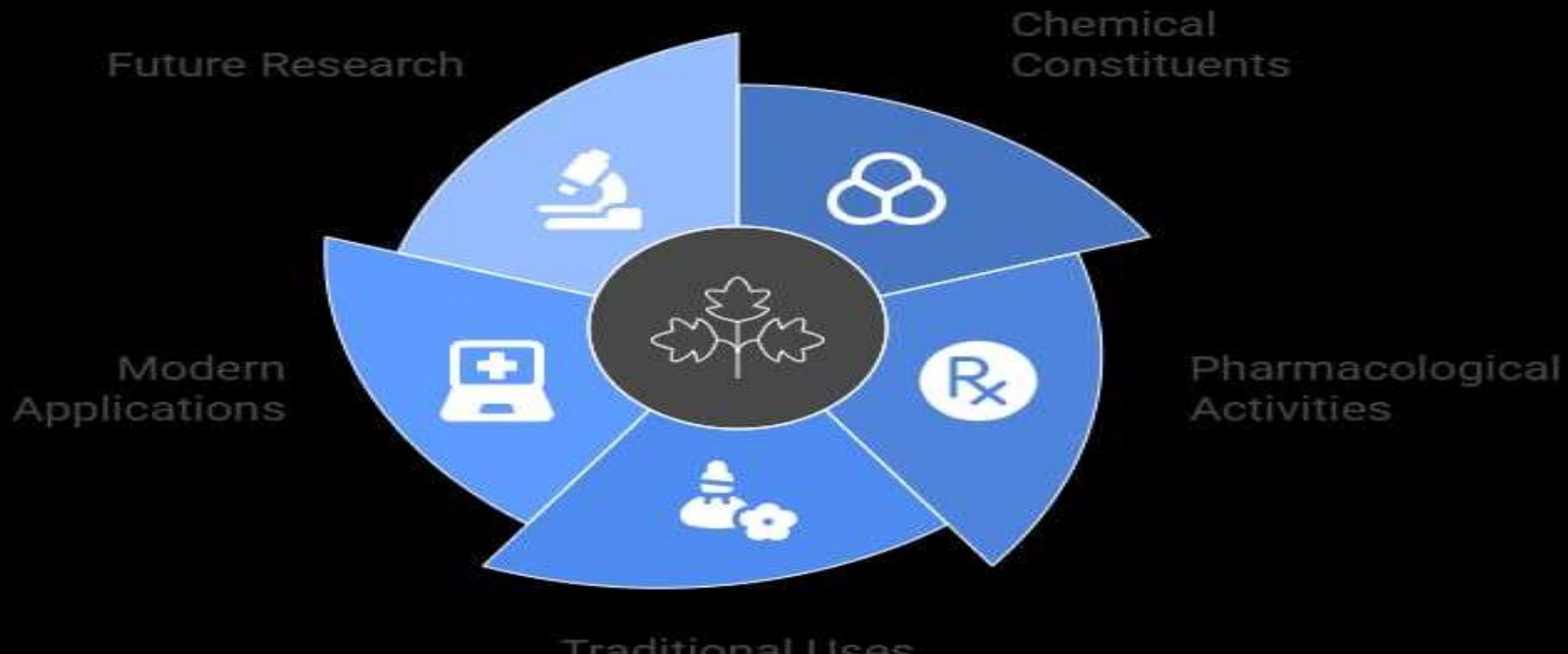
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## Potential Applications of Coriander in Modern Medicine



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## Coriander's Medicinal Potential



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## Exploring Coriander's Medicinal Dimensions



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## What is the botanical name of coriander?



**Pimpinella anisum**

This is the botanical name for anise, a different herb.

**Foeniculum vulgare**

This is the botanical name for fennel, another herb.

**Coriandrum sativum**

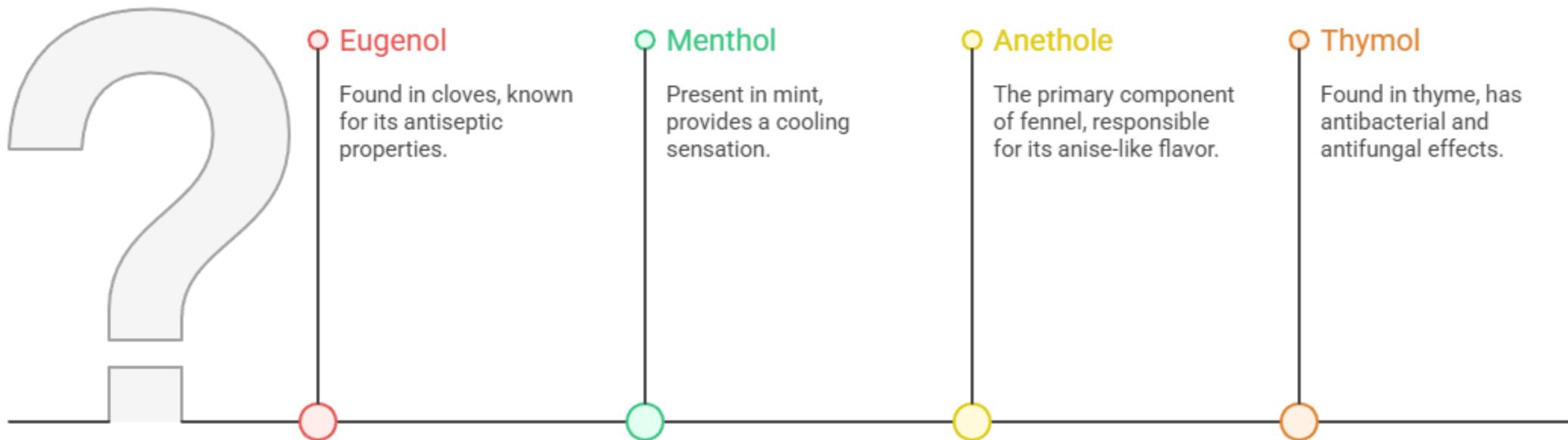
This is the correct botanical name for coriander.

**Carum carvi**

This is the botanical name for caraway, a spice.

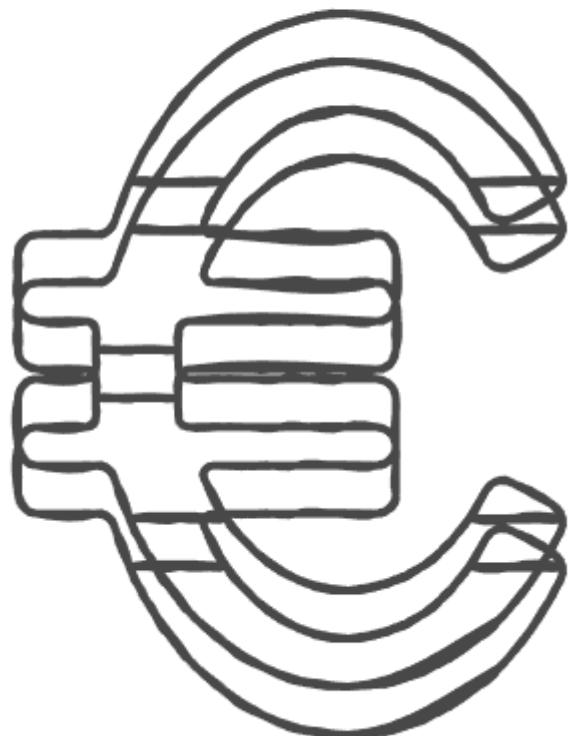
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## What is the main volatile oil in fennel?



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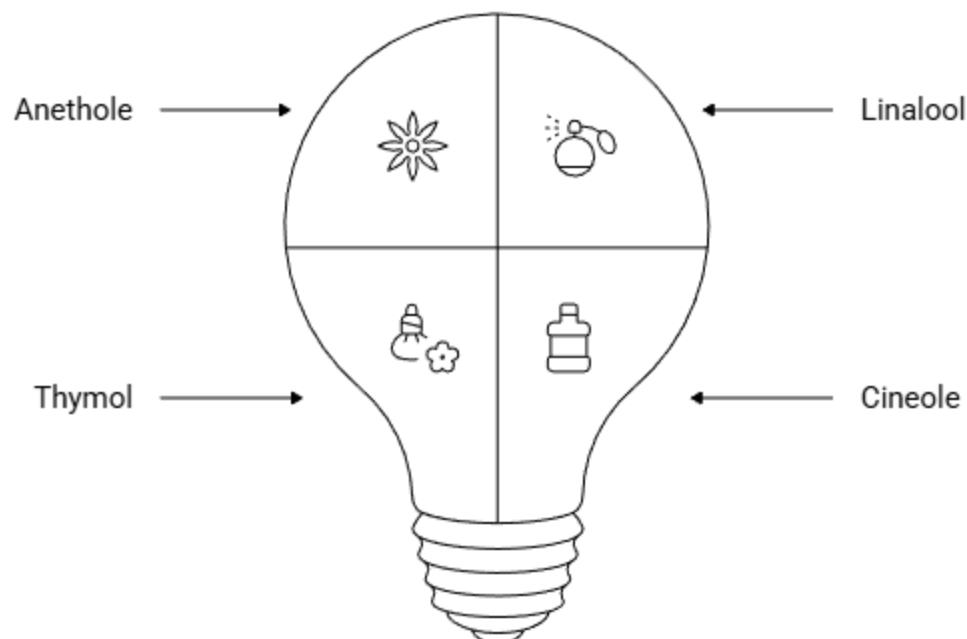
## Fennel's Primary Medicinal Use is.



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-  **Laxative**  
Aids in bowel movement
-  **Carminative**  
Relieves gas and bloating
-  **Anthelmintic**  
Expels intestinal worms
-  **Anti-emetic**  
Prevents nausea and vomiting

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CORIANDER IS.



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## REFERENCES

1. Kokate C.K., Purohit A.P., Gokhale S.B. – Pharmacognosy, Nirali Prakashan, Pune.
2. Evans W.C. – Trease and Evans Pharmacognosy, 16th Edition, Elsevier.
3. Tyler V.E., Brady L.R., Robbers J.E. – Pharmacognosy, Lea and Febiger.
4. Wallis T.E. – Textbook of Pharmacognosy, CBS Publishers.
5. Khandelwal K.R. – Practical Pharmacognosy, Nirali Prakashan.
6. Indian Herbal Pharmacopoeia, Indian Drug Manufacturers Association (IDMA).
7. The Ayurvedic Pharmacopoeia of India, Government of India, Ministry of AYUSH.



# Thank You