

# 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 12 : TANNINS

## DESIGN THINKING STAGES IN CLASSIFICATION

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

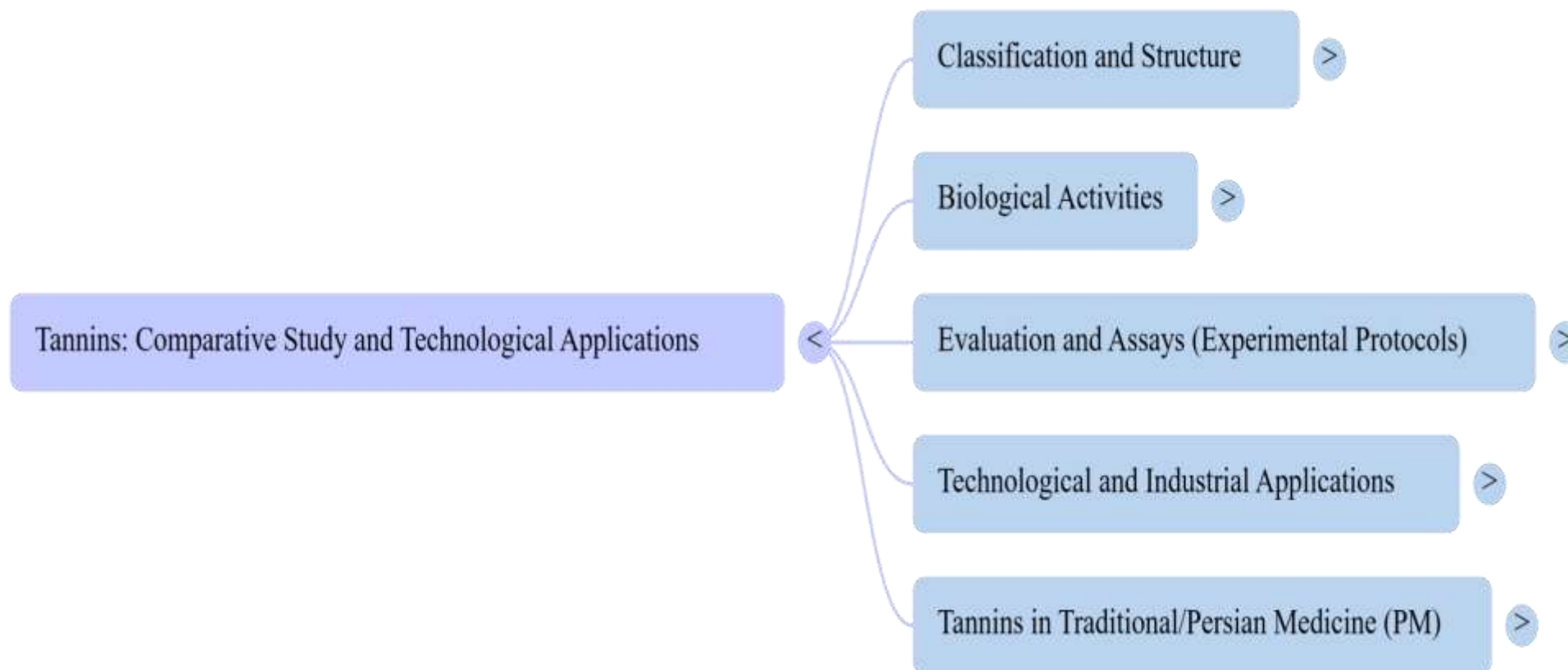
**Define:** Clearly define the problem based on the insights from the empathize stage.

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

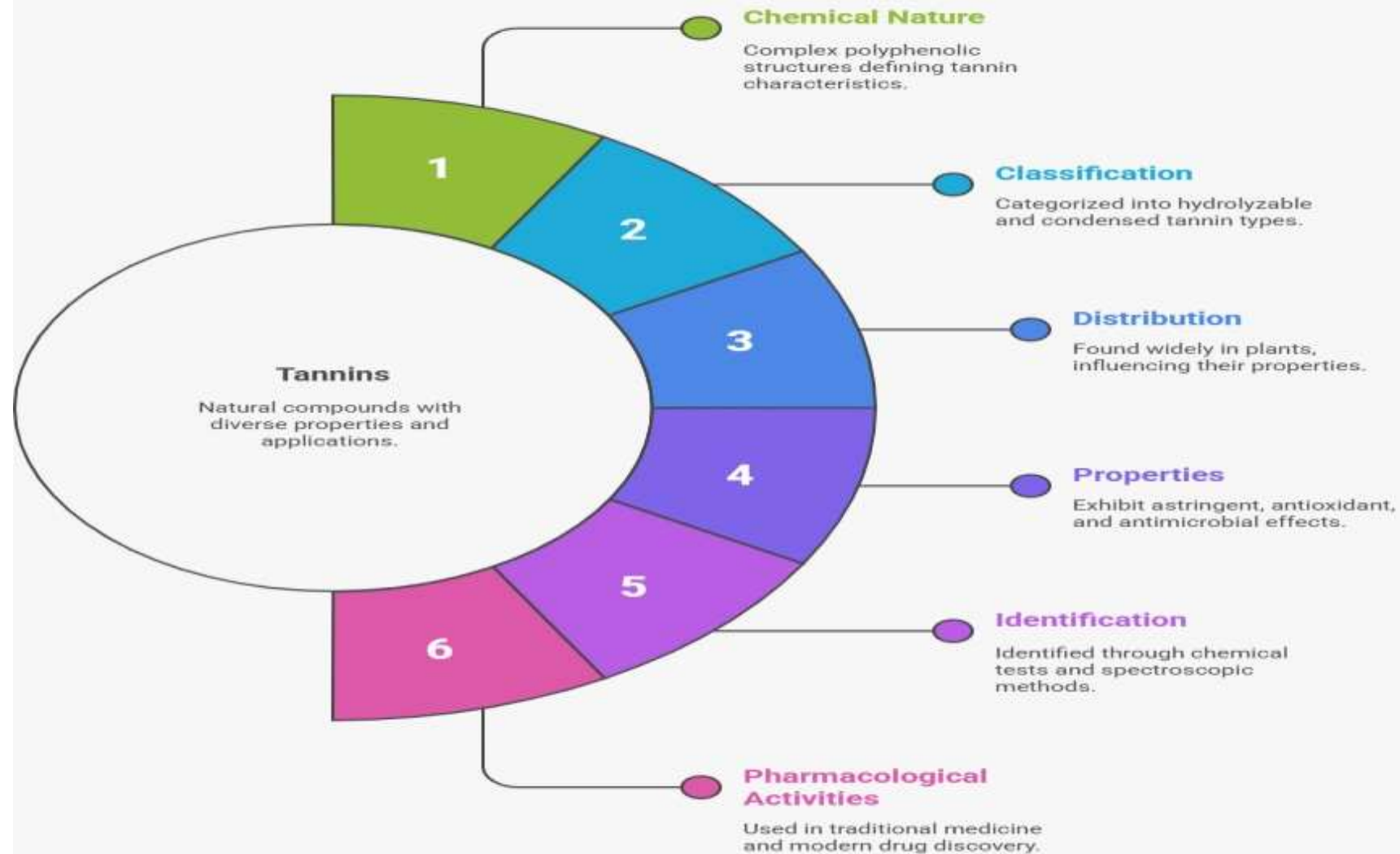
**Prototype:** Create a tangible version of your solution

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

## MINDMAP

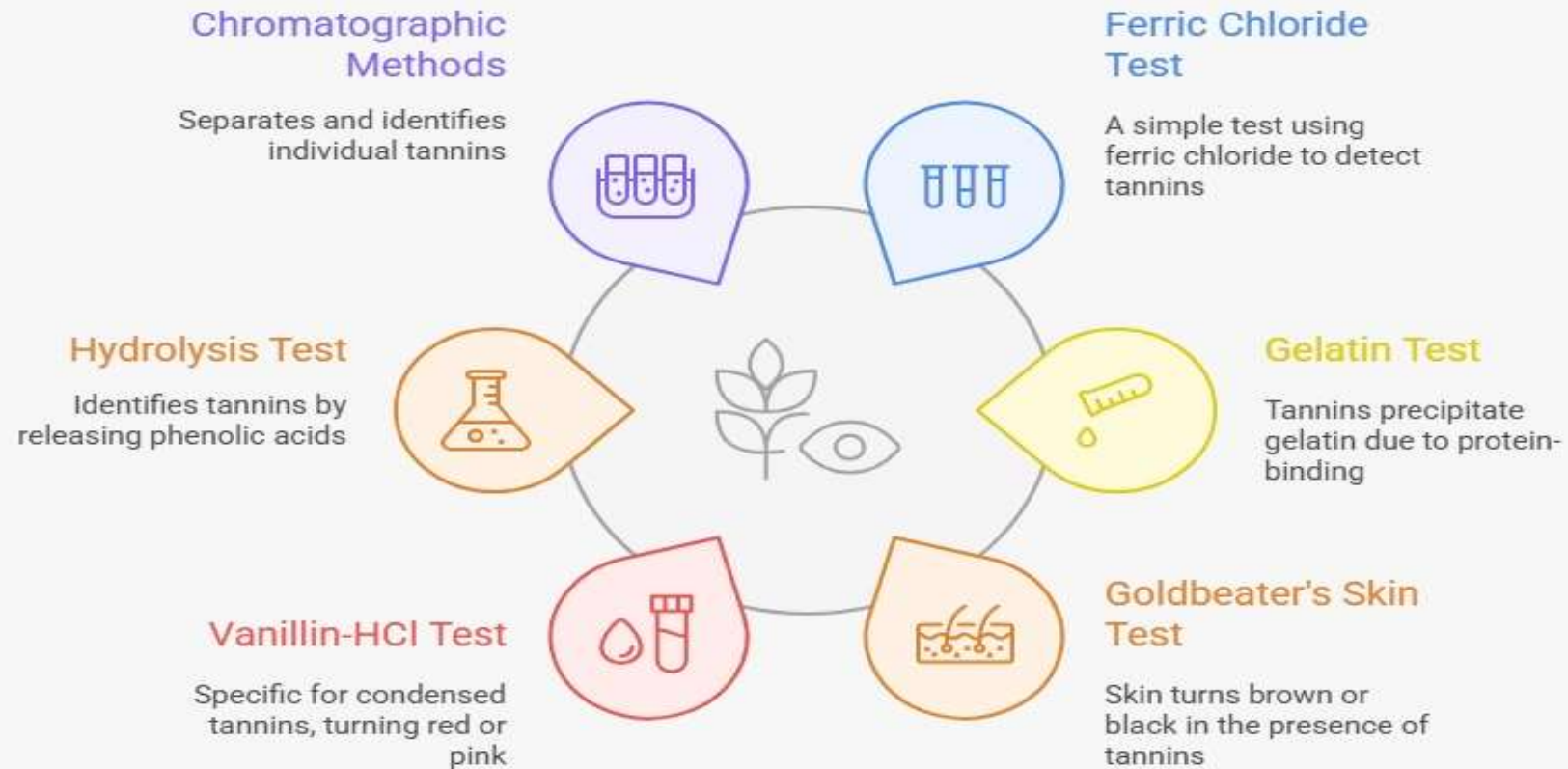


## Exploring the Multifaceted World of Tannins



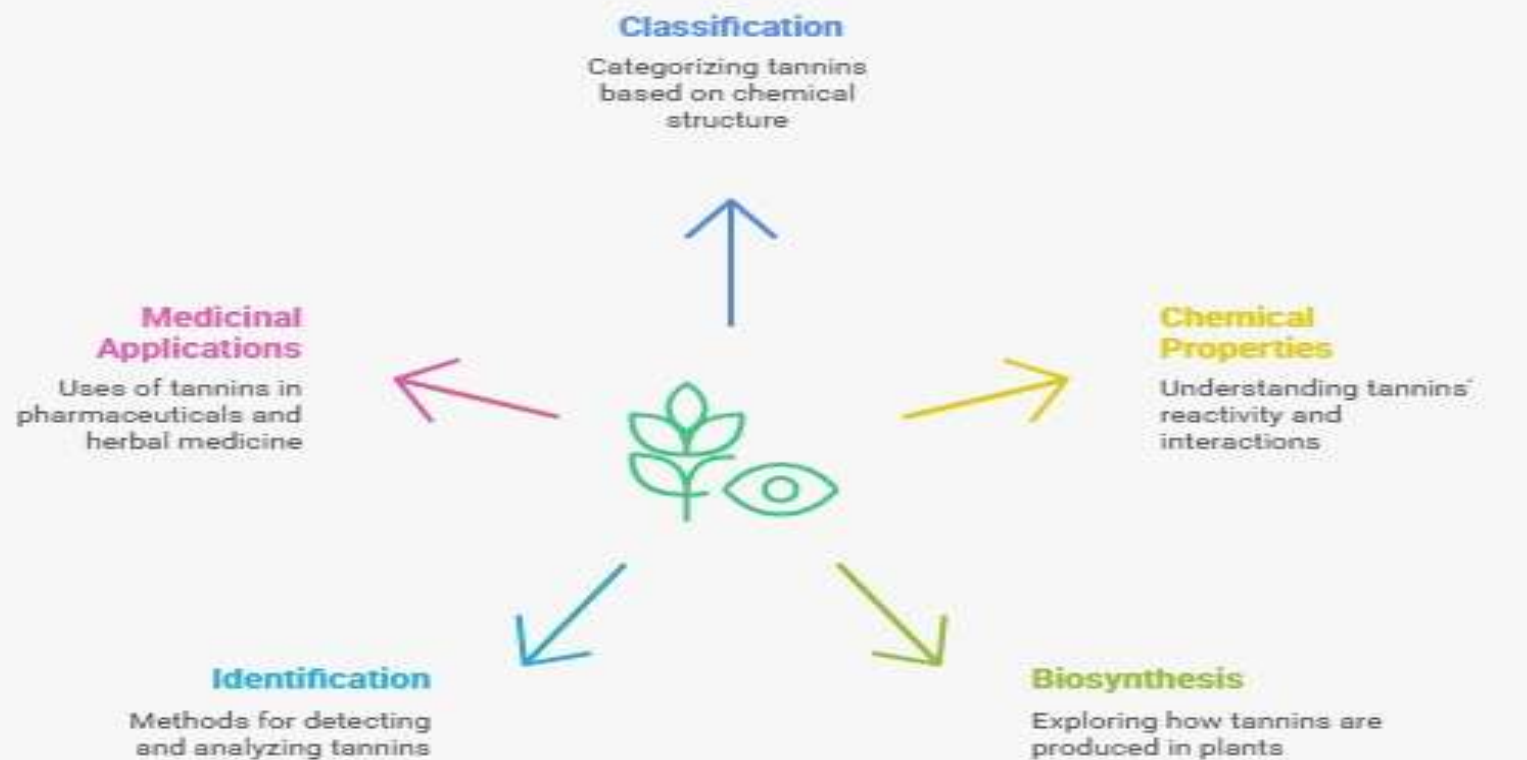
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## Methods for Tannin Identification



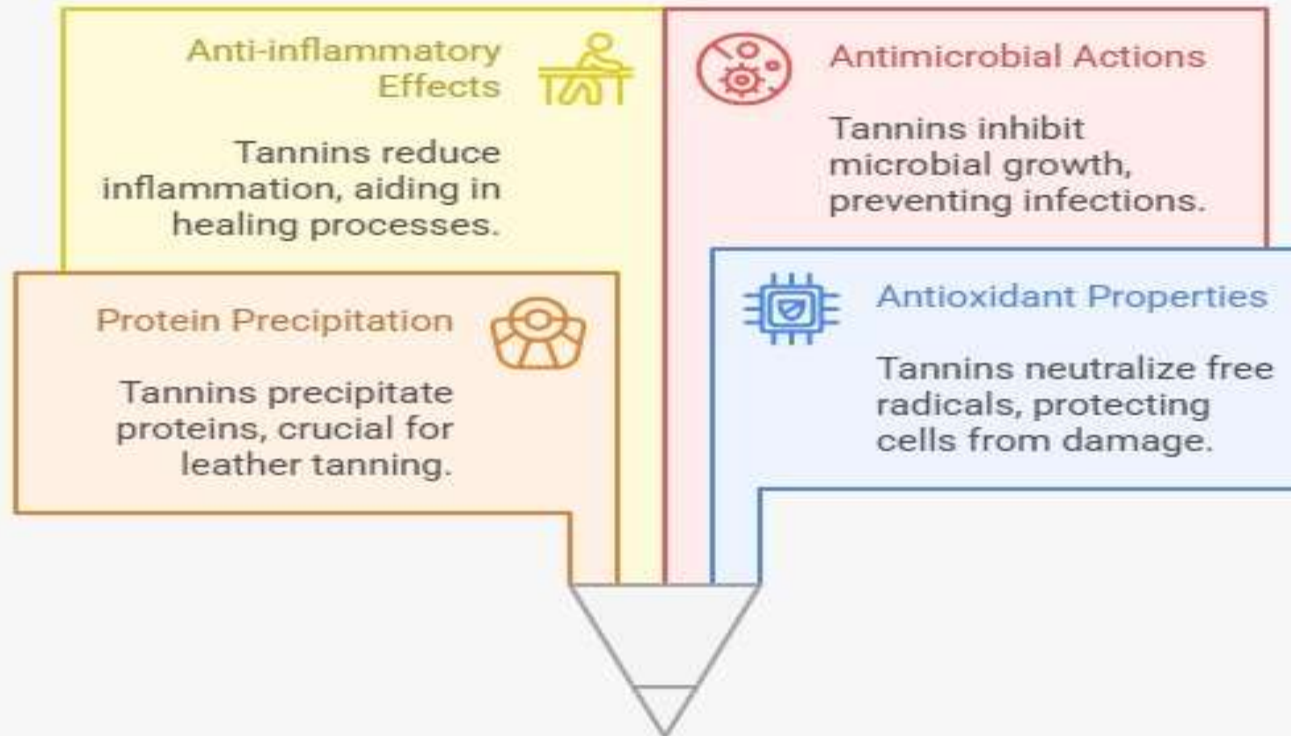
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## Tannin Research Areas



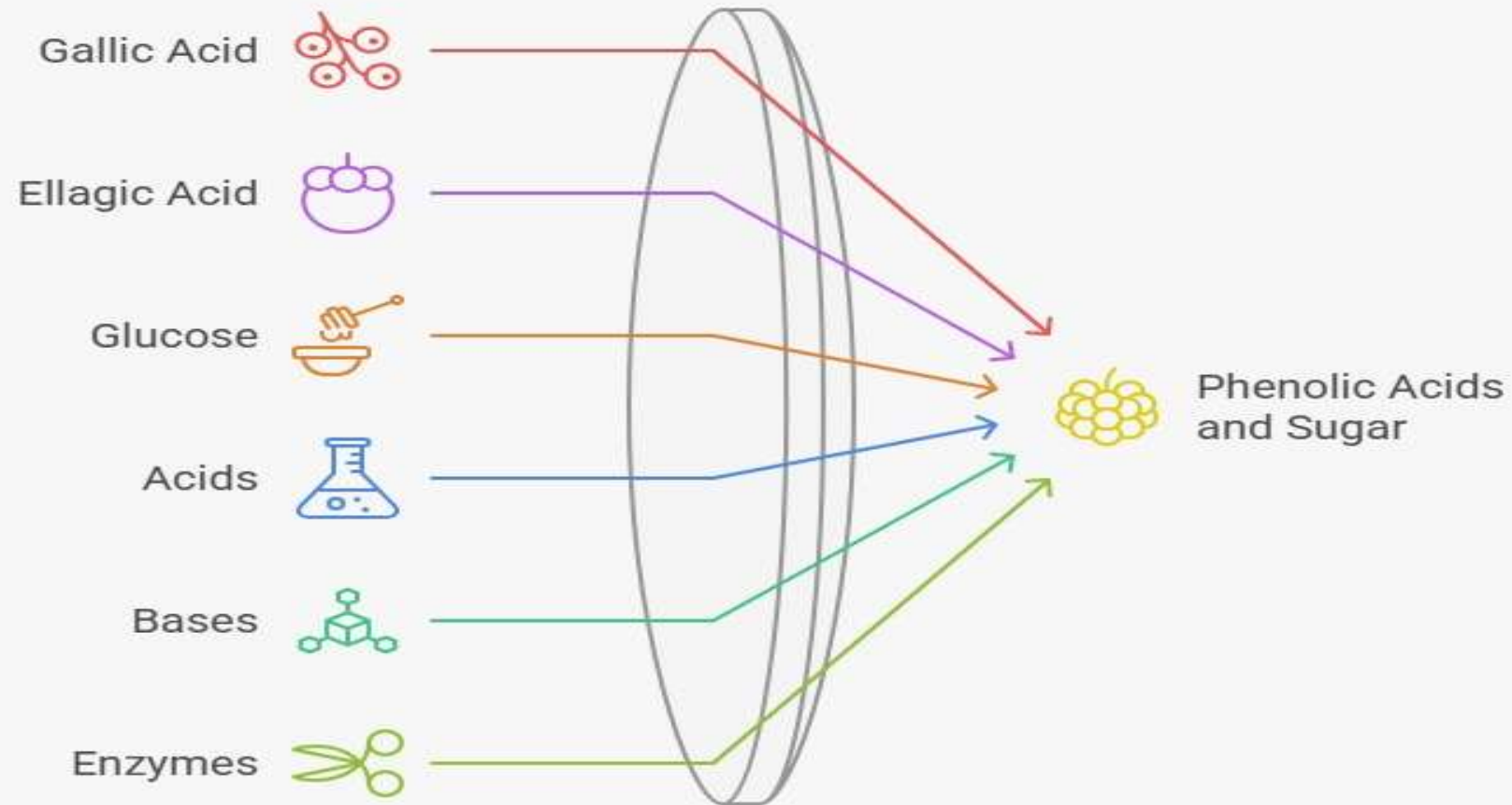
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## Tannins' Multifaceted Roles



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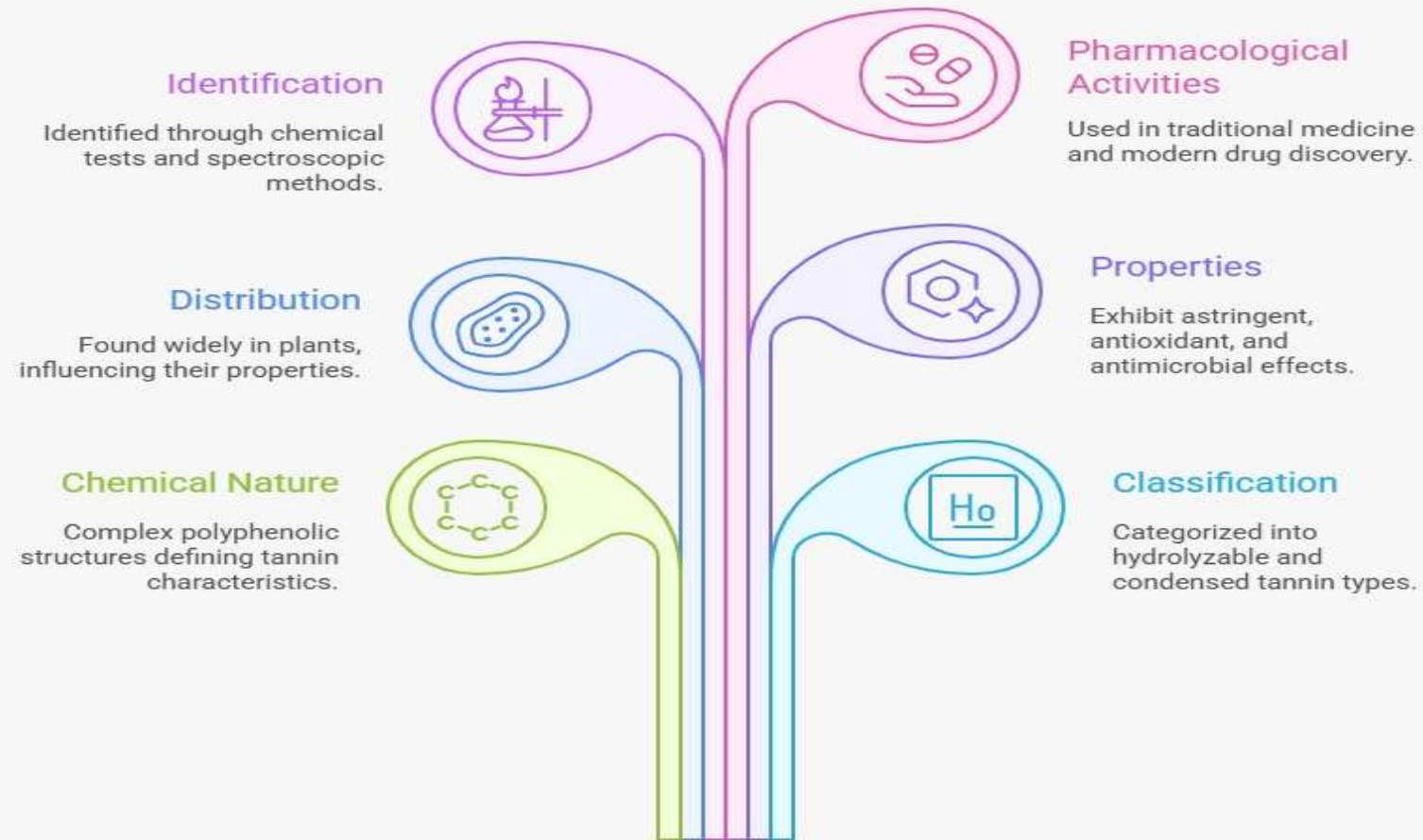
## Hydrolyzable Tannin Decomposition



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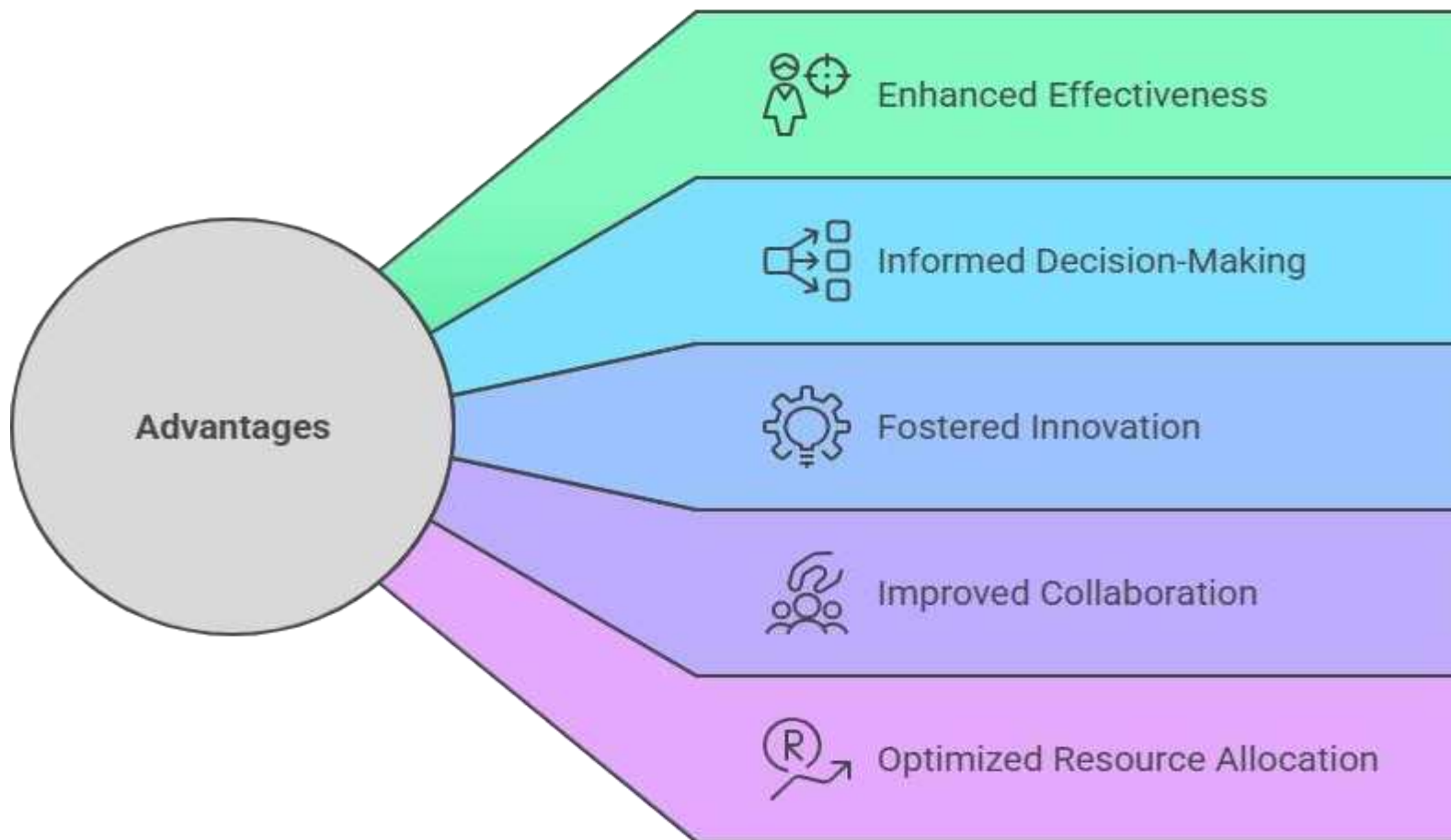


## Exploring the Multifaceted World of Tannins



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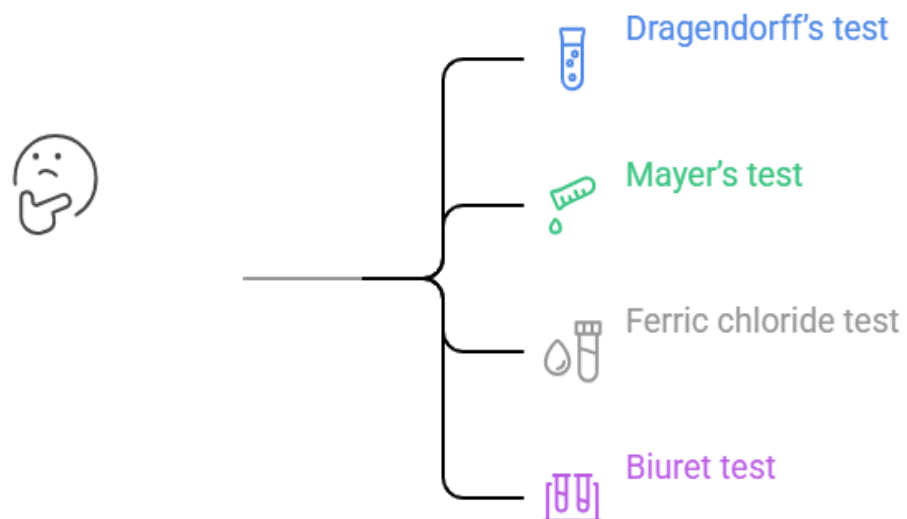
## Unveiling the Multifaceted Benefits of Advantages



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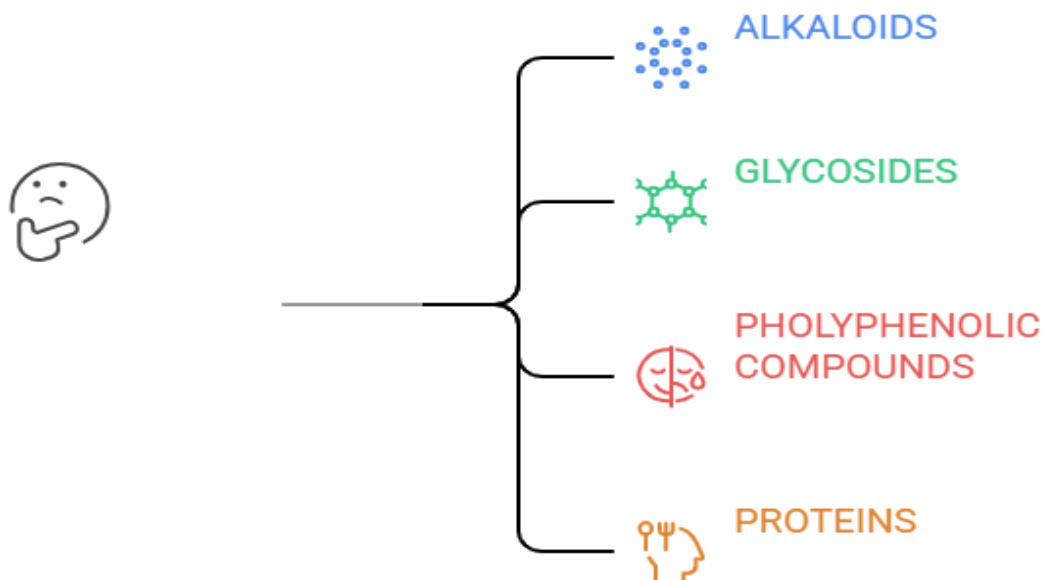
## ASSESSMENT

Which test confirms the presence of tannins?



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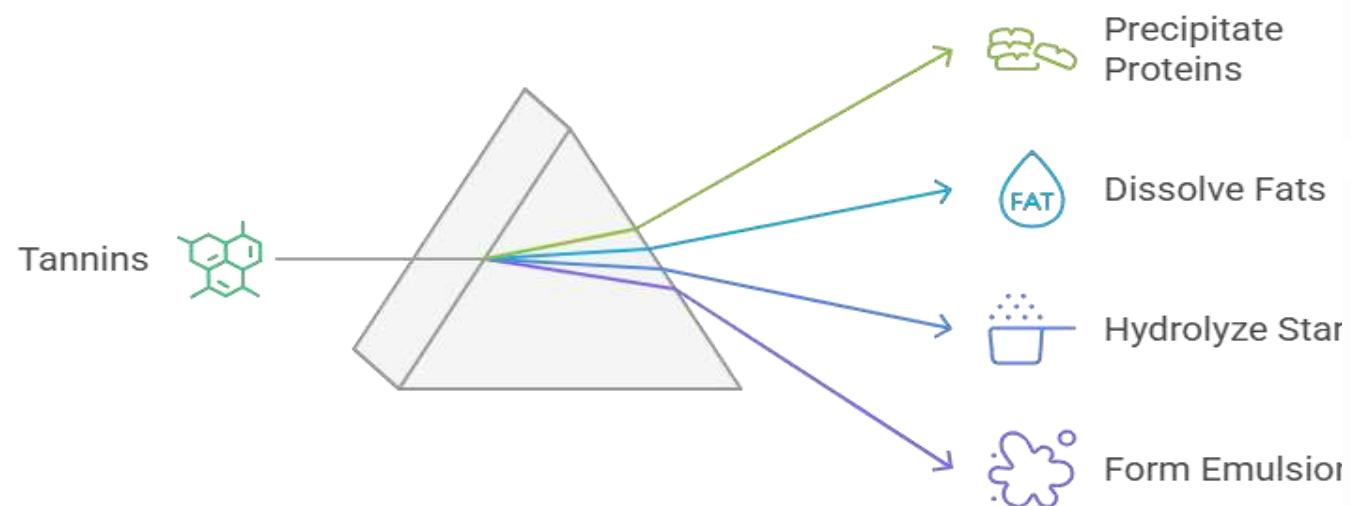
## What type of compound are tannins?



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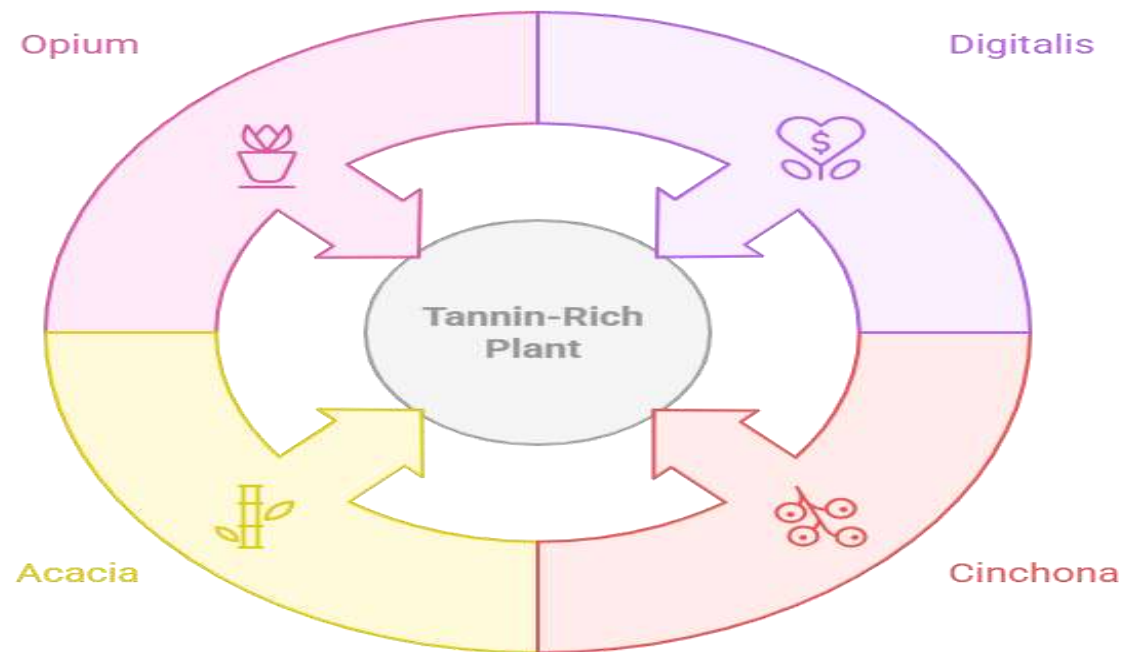
## Unveiling the Multifaceted Roles of Tannins



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## Identifying Tannin-Rich Plants



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## REFERENCES

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2. Pharmacognosy – Varro E. Tyler, Lynn R. Brady, James E. Robbers
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6. National Center for Complementary and Integrative Health (NCCIH)
7. Pharmacognosy Reviews (phcogrev.com)
8. ScienceDirect – Pharmacognosy Topics
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# Thank You

