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Pericarp and seed of litchi and longan fruits: constituent, extraction, bioactive activity, and potential utilization

Key words: Bioactive compound, Extraction, Litchi, Longan, Pharmacological activity, Utilization

Research Summary

This review mainly focused on the current advances in the extraction, processing, identification, and biological and pharmacological activities of constituents from litchi and longan by-products.

- **Phytochemical composition**
- **Extraction and processing**
- **Pharmacological activities**
- **Potential applications**



Innovation points

- **Introduction** of the major biological constituents.

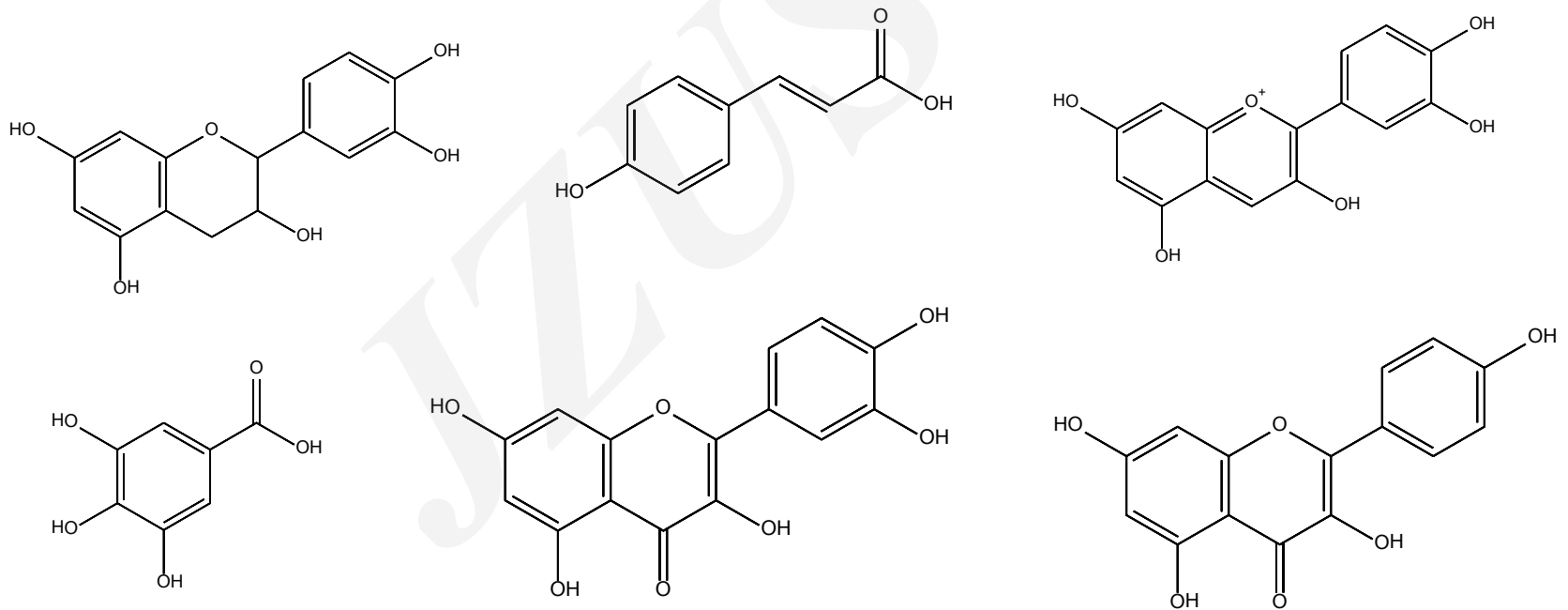


Figure 4

Innovation points

- **Summary** of the pharmacological activities.

- **Antioxidant activity**
- **Anti-inflammatory activity**
- **Anti-cancer activity**
- **Immunomodulatory activity**

- **Emphasis** of the potential utilization.

- **Food additives**
- **Cosmetic**
- **Drug agents**