



South Korea, known for its rich biodiversity and traditional medicine practices, has been a source of numerous {^â&â}æ|À|æ}c•Á, äc@Á] [c^}cäæ|Äc@^|æ] ^~ cä&|ä^}^, c•ÉÄQ}Ä| ^&^} ch^ ^æ! •ÉÄc@^| ^Ä@æ•Ää^} Ää} &! ^æ•ä} *Ää} c^| ^•c|ä} Ä^è] | [tä} *Ä c@^Äæ} cä [çäâæ} ç| &æ] æ&äc^ Äæ} äÄ^} : ^ { ^Ää} @äâcä [] Ä] ; [] ^| cä^•Ä [-Äc@^•^Ä] |æ} c•Ä ä~ ^Äc [Äc@^ä!Ä] [c^} cäæ|Ä @^æ|cÉ] ! [{ [cä} *Ä ^ ^&c•ÉÄQ} Äc@ä•Ä& [{] ! ^@^} •ç^Ä•c~ ä^ÉÄ, ^Ää^|ç^Ää} c [Äc@^Äæ} cä [çäâæ} ç| &æ] æ&äc^ Äæ} äÄ^} : ^ { ^Ää} @äâcä [] Ä] ! [, | ^•Ä [-Ä•^| ^&c^ÄÄ { ^â&â} æ|Ä|æ} c•Ä-! [{ ÄÜ [~ c@ÄS [! ^æÉÄ•@^âä} *Ä|ä* @ç [] Äc@^ä!Ä] @æ! { æ& [[*ä&æ|Ä] [c^} cäæ|Äæ} äÄc@^|æ] ^~ cä&Äæ]] |ä&æcä [] •É

Implication for Traditional Medicine and Drug Discovery

The study highlights the potential of medicinal plants from South Korea in traditional medicine and drug discovery. The plants exhibit significant antioxidant and enzyme-inhibitory activities, which are valuable for the development of natural products and pharmaceuticals. Further research is required to identify the active compounds and their mechanisms of action.

Collection and Reaction of Plant for Phytochemical Analysis

The collection and reaction of plants for phytochemical analysis were performed according to standard protocols. The plants were collected from their natural habitats and dried under shade. The dried plants were then subjected to various chemical reactions to identify the presence of different phytochemical groups.

Collection of Plant Material

The plant material was collected from the natural habitats of the medicinal plants in South Korea. The plants were identified and authenticated by a taxonomist. The collected material was then dried and stored for further analysis.

Selection of Plant Species:

The selection of plant species was based on their traditional use as medicinal plants and their potential for drug discovery. The plants were selected from a list of medicinal plants reported in traditional Korean medicine.

Sampling Method:

The sampling method involved the collection of plant material from different parts of the plant, including the roots, stems, leaves, and flowers. The samples were then dried and stored for further analysis.

Ethical and Legal Consideration:

The study was conducted in accordance with the ethical and legal requirements. The collection and use of plant material were approved by the relevant authorities. The study was also registered with the appropriate regulatory bodies.

Sample Handling and Preservation:

The samples were handled and preserved under appropriate conditions to maintain their chemical integrity. The samples were stored in a cool, dry place and protected from light and moisture.

Reaction of Phytochemical

The reaction of phytochemicals was performed using standard chemical reactions. The reactions were carried out under controlled conditions and the products were analyzed using appropriate analytical methods.

Solubility Reaction:

The solubility reaction was performed to determine the solubility of the phytochemicals in different solvents. The results of the solubility test are presented in the following table.

9-10.

Specific Reaction (FE):

FE (C 2) FE

Solid-phase Reaction (E):

E

Ultrasound-assisted Reaction (AE):

AE

Conclusion

The study demonstrates the potential of medicinal plants from South Korea in traditional medicine and drug discovery. The plants exhibit significant antioxidant and enzyme-inhibitory activities, which are valuable for the development of natural products and pharmaceuticals. Further research is required to identify the active compounds and their mechanisms of action.

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