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## **Cistanches Herba: an overview of its chemistry, pharmacology, and pharmacokinetics property.**

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### **Chemical compounds studied in this article:**

Echinacoside (PubChem CID: 5281771); Acteoside (PubChem CID: 5281800); Isoacteoside (PubChem CID: 6476333); Tubuloside A (PubChem CID: 21637830); Cistanoside D (PubChem CID: 5315930); Salsosides E (PubChem CID: 102403918)

*Ethnopharmacological relevance:* Cistanches Herba is an *Orobanchaceae* parasitic plant. As a commonly used Traditional Chinese Medicine (TCM), its traditional functions include treating kidney deficiency, impotence, female infertility and senile constipation. Chemical analysis of Cistanches Herba revealed that phenylethanoid glycosides, iridoids, lignans, oligosaccharides, and polysaccharides were the main constituents. Pharmacological studies demonstrated that Cistanches Herba exhibited neuroprotective, immunomodulatory, hormonal balancing, anti-fatigue, anti-inflammatory, hepatoprotection, anti-oxidative, anti-bacterial, anti-viral, and anti-tumor effects, etc. The aim of this review is to provide updated, comprehensive and categorized information on

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