

Resource Summary Report

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Traditional Chinese Medicine Systems Pharmacology Database and Analysis Platform

RRID:SCR_023757

Type: Tool

Proper Citation

Traditional Chinese Medicine Systems Pharmacology Database and Analysis Platform
(RRID:SCR_023757)

Resource Information

URL: <https://tcmsp-e.com/tcmssp.php>

Proper Citation: Traditional Chinese Medicine Systems Pharmacology Database and Analysis Platform (RRID:SCR_023757)

Description: Pharmacology platform of Chinese herbal medicines that captures relationships between drugs, targets and diseases. Database includes chemicals, targets and drug-target networks, and associated drug-target-disease networks, as well as pharmacokinetic properties for natural compounds involving oral bioavailability, drug-likeness, intestinal epithelial permeability, blood-brain-barrier, aqueous solubility.

Abbreviations: TCMSP

Synonyms: TCMSP database

Resource Type: data or information resource, database

Defining Citation: [PMID:24735618](#)

Keywords: Pharmacology platform, Chinese herbal medicines, drugs, targets and diseases, drug-target networks, natural compounds, pharmacokinetic properties,

Funding: National Natural Science Foundation of China

Availability: Free, Freely available

Resource Name: Traditional Chinese Medicine Systems Pharmacology Database and Analysis Platform

Resource ID: SCR_023757

Alternate URLs: <https://tcmsp-e.com/>

Record Creation Time: 20230708T050227+0000

Record Last Update: 20260729T044557+0000

Ratings and Alerts

No rating or validation information has been found for Traditional Chinese Medicine Systems Pharmacology Database and Analysis Platform.

No alerts have been found for Traditional Chinese Medicine Systems Pharmacology Database and Analysis Platform.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 195 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Liu S, et al. (2025) A comprehensive study on the impact of Ligustrum vicaryi L. fruit polysaccharide on myocardial fibrosis through animal experiments, network pharmacology and molecular docking. *Frontiers in cardiovascular medicine*, 12, 1470761.

Guo J, et al. (2025) Network Pharmacology Analysis and In Vitro Validation of the Active Ingredients and Potential Mechanisms of Gynostemma Pentaphyllum Against Esophageal Cancer. *Combinatorial chemistry & high throughput screening*, 28(3), 500.

Wang T, et al. (2025) IFN- γ -mediated inhibition of JAK/STAT signaling via nano-scutellarin treatment is an efficient strategy for ameliorating liver fibrosis. *Journal of translational medicine*, 23(1), 195.

Zhang S, et al. (2025) Combining Network Pharmacology, Molecular Docking, Molecular Dynamics Simulation, and Experimental Validation to Uncover the Efficacy and Mechanisms of Si-Miao-Yong-An Decoction in Diabetic Wound Healing. *Journal of inflammation research*, 18, 4087.

Yang X, et al. (2025) Comprehensive analysis of the potential mechanism of gansui in blocking non-small cell lung cancer progression. *Pharmaceutical biology*, 63(1), 170.

Yan Z, et al. (2025) SuoquanYishen formula improves renal cellular senescence by inhibiting YTHDF1-Rubicon axis to promote autophagy in diabetic kidney disease. *Frontiers in pharmacology*, 16, 1543277.

Lin CT, et al. (2025) Multi-target Mechanisms of Si-Ni-San on Anxious Insomnia: An Example of Network-pharmacology and Molecular Docking Analysis. *Current medicinal*

chemistry, 32(13), 2640.

Shen X, et al. (2025) Exploration of the potential therapeutic effects and targets of *Coriandrum sativum* on non-erosive esophagitis based on bioinformatics and molecular dynamics simulation. *Scientific reports*, 15(1), 19177.

Gu Q, et al. (2025) Mechanisms of *Zanthoxyli Pericarpium-Zingiberis Rhizoma* in the Treatment of Gastric Cancer Based on Network Pharmacology and Experimental Validation. *Drug design, development and therapy*, 19, 4537.

Wang Y, et al. (2025) Bioactive Constituents and Antihypertensive Mechanisms of Zhengnan Xifeng Decoction: Insights from Plasma UPLC-MS, Network Pharmacology and Molecular Dynamics Simulations. *Pharmaceuticals (Basel, Switzerland)*, 18(10).

Gu PP, et al. (2025) Eugenol inhibits preadipocyte differentiation and lipid accumulation via upregulating ATF3. *Brazilian journal of medical and biological research = Revista brasileira de pesquisas medicas e biologicas*, 58, e14575.

Liu F, et al. (2025) Exploiting strong synergies between punicalagin and cefoperazone to combat methicillin-resistant *Staphylococcus aureus* infections. *NPJ biofilms and microbiomes*, 11(1), 193.

Liu X, et al. (2025) Probing the mechanisms of flavonoids in corn silk for treating type 2 diabetes by in Silico and in vitro experiments. *Scientific reports*, 15(1), 36496.

Xu M, et al. (2025) Deciphering the causal relationships between plasma metabolites, peripheral cells, inflammatory factors and DLBCL for discovering novel therapeutic targets. *Discover oncology*, 16(1), 1968.

Hu X, et al. (2025) Mendelian randomization analysis of gut microbiota and chronic kidney disease: Implications for herbal interventions. *Medicine*, 104(45), e45730.

Tran KN, et al. (2025) Novel intranasal delivery of sihosogansan demonstrates rapid antidepressant activity via GABAergic and BDNF/TrkB pathways: identification of potential bioactive quality markers. *Chinese medicine*, 20(1), 162.

Zhang Y, et al. (2025) Exploration mechanisms of *Coptis chinensis* Franch. and *Rehmannia glutinosa* Libosch. against T2DM based on network pharmacology and molecular docking. *Medicine*, 104(51), e46701.

Mao YY, et al. (2025) Combining transcriptomics with network pharmacology to explore the mechanism of Yiqi Huoxue decoction against liver fibrosis. *PloS one*, 20(11), e0337061.

Zhao A, et al. (2025) Network pharmacology and molecular docking analysis of Yishenqingzhuo oral liquid for chronic kidney disease. *Medicine*, 104(47), e46030.

Li QY, et al. (2025) Study on mechanism of *Spatholobi Caulis* in the treatment of the hand-foot skin reaction induced by targeted drug therapy based on network pharmacology and molecular docking: An observational study. *Medicine*, 104(2), e41085.