

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: 20260904T000351+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 577 mentions in open access literature.

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

Yue L, et al. (2026) Screening natural raw materials and product development for improving insomnia based on network pharmacology and data mining. *Medicine*, 105(4), e47072.

Wang Y, et al. (2026) Key hub genes identification and therapeutic target prediction via multi-validation for the senescence-inflammation axis in prostate cancer. *Scientific reports*, 16(1).

Zhang C, et al. (2026) Exploring the Mechanism of Therapeutic Effects of Polydatin in Lung Ischemia-Reperfusion Injury by Network Pharmacology and Experiment Validation. *Journal of inflammation research*, 19, 577340.

Liu Y, et al. (2026) Catechins in insomnia-Alzheimer's disease comorbidity: A network pharmacology and molecular docking study. *Medicine*, 105(8), e47812.

Qiu RH, et al. (2026) Evaluation of Therapeutic Effects and Underlying Mechanisms of Baichuan Baile Formula in Rodent Insomnia Models. *Nutrients*, 18(5).

Yang C, et al. (2026) AMBP gene activation promotes cholangiocarcinoma progression through the WNT/??-catenin signaling pathway: Regulatory effect of polysaccharides from *Auricularia auricula-judae*. *Medicine*, 105(11), e47710.

Zeng J, et al. (2026) Salidroside targets the Notch1/Hes5 axis to reconstruct the molecular innate immune-vascular network and correlates with repair after ischemic stroke. *Frontiers in immunology*, 17, 1756559.

Wang L, et al. (2026) Bioinformatics approach to identifying molecular targets of Danlou tablet against atherosclerosis: a machine learning pharmacology study. *Naunyn-Schmiedeberg's archives of pharmacology*, 399(7), 10691.

Yang G, et al. (2026) Quercetin Inhibits the Progression of Gastric Cancer Through the AKT/MAPK Signaling Pathway. *Cancers*, 18(4).

Zhu J, et al. (2026) Elucidating the PTK2-Targeted Anti-Hepatocellular Carcinoma Effects of *Euphorbia helioscopia* L. via Integrated Network Pharmacology, Mendelian Randomization, and Experimental Validation. *Current issues in molecular biology*, 48(2).

Zhu X, et al. (2026) Sijing Pill modulates PGE2/EP4/PI3K-AKT pathway via gut-bone axis to treat postmenopausal osteoporosis. *Frontiers in microbiology*, 17, 1786197.

Shen X, et al. (2026) Unraveling the Mechanism of Cuochuangling Pills in Rosacea Treatment: An Integrated Approach Combining Network Pharmacology, Bioinformatics, and Experimental Validation. *Clinical, cosmetic and investigational dermatology*, 19, 579507.

Jia Y, et al. (2026) Computational and preliminary screening of anti-carries active compounds of *Caesalpinia sappan*. *Scientific reports*, 16(1).

Malakar V, et al. (2026) Computational investigation of biochanin a targeting DEPTOR in Alzheimer's disease with in vitro cellular validation of neuroprotective activity. *Scientific reports*, 16(1).

Nan Z, et al. (2026) A Network Pharmacology and Experimental Validation Strategy for Hypoglycemic Study of *Lonicerae Japonicae Flos* on Diabetes. *Journal of cellular and molecular medicine*, 30(9), e71167.

Yang J, et al. (2026) Separation and Characterization of Self-Assembled Nanoparticles from *Rheum palmatum* L.-*Salvia miltiorrhiza* Bunge Extract and Their Renoprotective Effects in Acute Kidney Injury. *Antioxidants (Basel, Switzerland)*, 15(4).

Hwang JH, et al. (2026) Network Pharmacology Analysis Reveals Multi-Target Hepatoprotective Mechanisms of a Multi-Component Pharmacopuncture Against Ephedra-Associated Liver Injury with Implications for Mitochondrial Quality Control. *Medicina (Kaunas, Lithuania)*, 62(5).

Tan F, et al. (2026) Formononetin and Rhein from Bitong Mixture Alleviate Rheumatoid Arthritis-Related Inflammation: An Integrated WGCNA, Machine Learning and In Vitro Study. *Pharmaceuticals (Basel, Switzerland)*, 19(5).

Abudurehman A, et al. (2026) Total Flavonoids from *Berberis kaschgarica* Rupr. Ameliorate Atherosclerosis in ApoE^{-/-} Mice by Regulating Lipid Metabolism and Gut Microbiota. *Antioxidants (Basel, Switzerland)*, 15(6).

Wang J, et al. (2026) Ginsenoside Re Ameliorates UVB-Induced Skin Photodamage by Modulating the Glutathione Metabolism Pathway: Insights from Integrated Transcriptomic and Metabolomic Analyses. *International journal of molecular sciences*, 27(2).