

Resource Summary Report

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Similarity Ensemble Approach

RRID:SCR_023754

Type: Tool

Proper Citation

Similarity Ensemble Approach (RRID:SCR_023754)

Resource Information

URL: <https://sea.bkslab.org/>

Proper Citation: Similarity Ensemble Approach (RRID:SCR_023754)

Description: Web tool to relate proteins based on set wise chemical similarity among their ligands. Used to rapidly search large compound databases and to build cross target similarity maps.

Abbreviations: SEA

Resource Type: data access protocol, software resource, web service

Defining Citation: [PMID:17287757](#)

Keywords: relate proteins, chemical similarity among proteins ligands, search large compound databases, build cross target similarity maps,

Availability: Free, Freely available

Resource Name: Similarity Ensemble Approach

Resource ID: SCR_023754

Record Creation Time: 20230708T050227+0000

Record Last Update: 20260905T133026+0000

Ratings and Alerts

No rating or validation information has been found for Similarity Ensemble Approach.

No alerts have been found for Similarity Ensemble Approach.

Data and Source Information

Usage and Citation Metrics

We found 457 mentions in open access literature.

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

Gong L, et al. (2026) Deguelin inhibits growth and prolactin synthesis in prolactinomas by targeting the PI3K/AKT/CREB3L1 pathway and ornithine decarboxylase. *Acta pharmacologica Sinica*, 47(4), 999.

Yin JL, et al. (2026) Isoviolanthin suppresses IL-1 α -induced inflammatory and catabolic responses in chondrocytes. *Frontiers in pharmacology*, 17, 1809512.

Zhang X, et al. (2026) Nephrotoxicity of Evodiamine in Mice: Mechanistic Insights from Integrated Network Toxicology and Transcriptomic Profiling. *International journal of molecular sciences*, 27(9).

Li J, et al. (2026) Integrated transcriptomic, molecular docking, and mendelian randomization analysis reveal a microbial-propionate-JUN pathway in renal ischemia-reperfusion injury. *Virulence*, 17(1), 2673655.

Zhu X, et al. (2026) Integrating network toxicology, machine learning, and single-cell sequencing to reveal the FASN-mediated role of phenolic endocrine disruptors in water in promoting prostate cancer. *PloS one*, 21(6), e0350638.

Peng C, et al. (2026) Bisphenol a and polycystic ovary syndrome in reproductive-age women: mechanistic exploration via network toxicology and molecular docking. *Journal of ovarian research*, 19(1).

Zhang Y, et al. (2026) Androsin alleviates colorectal cancer by inhibiting the PI3K/Akt-centered signaling pathway. *The Korean journal of physiology & pharmacology : official journal of the Korean Physiological Society and the Korean Society of Pharmacology*, 30(2), 155.

Dong H, et al. (2026) Barbaloin Alleviates Lung Ischemia-Reperfusion Injury by Dual-Targeting IL-6 and PNP. *International journal of molecular sciences*, 27(12).

Jiang B, et al. (2026) Walnut Septum-Derived Aqueous Extract Alleviates Colitis Through Modulation of Gut Metabolism and Inflammatory Signaling. *Foods (Basel, Switzerland)*, 15(11).

Liu Y, et al. (2026) Multi-Omics Analysis and In Vitro Experimental Validation Identify Candidate Mechanisms of Baicalein Against Chronic Obstructive Pulmonary Disease. *Molecules (Basel, Switzerland)*, 31(10).

Feng X, et al. (2026) A multi-omics approach elucidates the link between artificial food colorings and common cancers. *Frontiers in nutrition*, 13, 1743416.

Ming Z, et al. (2026) Oxymatrine alleviates symptoms in high-fat diet and STZ-induced SD rats with painful diabetic neuropathy by reducing inflammation and oxidative stress. *Frontiers in immunology*, 17, 1750051.

Zhao L, et al. (2026) Elucidating the potential carcinogenic molecular mechanisms of parabens in head and neck squamous cell carcinoma through network toxicology and molecular docking. *PloS one*, 21(3), e0333867.

Sun X, et al. (2026) A Study on the Mechanism of Acetyl Tributyl Citrate-Induced Infertility Toxicity and the Protective Action of Icariin Based on Network Toxicology, Network Pharmacology, Molecular-Docking Technology and Molecular Dynamics Simulation. *International journal of molecular sciences*, 27(6).

Yin Y, et al. (2026) Mechanistic study of deoxycholic acid in colorectal cancer based on network toxicology and machine learning approaches. *BMC pharmacology & toxicology*, 27(1), 32.

Tang P, et al. (2026) Identifying key molecular interactions and pathways linking DEHP and its metabolite MEHP to allergic rhinitis: a network toxicology and molecular dynamics study. *BMC pharmacology & toxicology*, 27(1).

Ouyang Y, et al. (2026) Puerarin Attenuates White Matter Injury and Blood-Brain Barrier Disruption After Intracerebral Hemorrhagic Stroke via cGAS-STING Axis. *Biology*, 15(3).

Dou Y, et al. (2026) The contribution of phenolic endocrine-disrupting chemicals to breast cancer risk: A comprehensive bioinformatics analysis. *Scientific reports*, 16(1).

Ma B, et al. (2026) Systemic analysis of 1,4-dichlorobenzenes effects on lung adenocarcinoma environmental exposure and core target regulation prediction. *Discover oncology*, 17(1), 339.

Peng T, et al. (2026) The Effects of Exercise Combined with Pharmacotherapy on Body Composition and Metabolic Parameters in Overweight/Obese Adults: A Meta-Analysis and Network Pharmacology Study. *Diabetes, metabolic syndrome and obesity : targets and therapy*, 19, 590529.