

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 19, 2026

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: 20260912T200042+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 [SPARC SAWG](#) .

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.

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.

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).

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.

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

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.

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).

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).

Lili C, et al. (2026) Network toxicology integrated with machine learning and SHAP analysis identifies overlapping immune signatures between Di(2-ethylhexyl) phthalate (DEHP) and Sjögren's syndrome. BMC pharmacology & toxicology, 27(1).

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.

Li Y, et al. (2026) Core targets of bisphenol A in cervical cancer revealed by network toxicology and molecular docking. Medicine, 105(10), e47993.

Huang C, et al. (2026) Ochratoxin A and Clear Cell Renal Cell Carcinoma: Exploring Potential Molecular Links Through Network Toxicology and Machine Learning. *International journal of molecular sciences*, 27(7).

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).

Hernández-Ramírez VI, et al. (2026) *Acanthamoeba castellanii*: Non-Steroidal Anti-Inflammatory Drugs Affect Adhesion, Motility, and Encystment, Suggesting a Link with a gp63-like Protein Candidate. *Pathogens (Basel, Switzerland)*, 15(3).

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.

Ge T, et al. (2026) Using transcriptomics and molecular docking to uncover the pharmacological targets and its associated biological mechanisms of paeoniflorigenone in treating bladder cancer. *Discover oncology*, 17(1), 270.

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

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.

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

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).