

Resource Summary Report

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SwissDock

RRID:SCR_022564

Type: Tool

Proper Citation

SwissDock (RRID:SCR_022564)

Resource Information

URL: <http://www.swissdock.ch/>

Proper Citation: SwissDock (RRID:SCR_022564)

Description: Web service to predict molecular interactions that may occur between target protein and small molecule. Protein small molecule docking web service based on EADock DSS.

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

Defining Citation: [PMID:21624888](#)

Keywords: Protein small molecule docking, predict molecular interactions, target protein and small molecule interactions,

Funding: FNS 310030_130857;
Swiss Institute of Bioinformatics

Availability: Free, Freely available

Resource Name: SwissDock

Resource ID: SCR_022564

Record Creation Time: 20220716T050142+0000

Record Last Update: 20260813T055245+0000

Ratings and Alerts

No rating or validation information has been found for SwissDock.

No alerts have been found for SwissDock.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 159 mentions in open access literature.

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

Xu T, et al. (2026) Innovative discovery and validation of ACE-inhibitory peptides from eggshell membrane keratin byproducts: An integrated computational and in vitro approach. *Current research in food science*, 12, 101439.

Yerlikaya A, et al. (2026) Comparative Investigation of Cytotoxic Effects of Structurally Diverse Small Molecules and In Silico Analysis of 1-Acetyl-4-(4-Hydroxyphenyl)piperazine. *Journal of cellular and molecular medicine*, 30(1), e70890.

Lu J, et al. (2026) The dinitrothiophenol SN-2 reduces osteoclastogenesis and estrogen deficiency-induced bone loss by inhibiting TRAF6 auto-ubiquitination. *Bone reports*, 29, 101923.

Liang T, et al. (2026) Synovial transcriptome analysis reveals ShenTong ZhuYu Tang alleviates osteoarthritis by targeting MMP-9 and immune microenvironment. *Journal of orthopaedic surgery and research*, 21(1), 113.

Minakuchi M, et al. (2026) Identification of ADAR1i-124: The first effective A-to-I RNA editing inhibitor with promising cancer therapeutic potential. *iScience*, 29(2), 114615.

Gelles JD, et al. (2026) A gated hydrophobic funnel within BAX binds bioactive lipids to potentiate pro-apoptotic function. *Nature communications*, 17(1).

Albassam H, et al. (2026) Discovery of a novel VEGFR2 inhibitor using integrated structure-based docking study and functional validation: potential applications in targeted cancer therapy. *Saudi pharmaceutical journal : SPJ : the official publication of the Saudi Pharmaceutical Society*, 34(1).

Chahboun R, et al. (2026) Design, Optimization and Mechanistic Insights Into Terpenoid-Derived Inhibitors of Protein Kinase C Iota. *Chemical biology & drug design*, 107(6), e70348.

Islam N, et al. (2026) Single nucleotide polymorphisms affecting galantamine binding to acetylcholinesterase in Alzheimer's disease: a structural bioinformatics study. *Journal of computer-aided molecular design*, 40(1).

Du B, et al. (2026) Protective effects of Zingiber officinale Roscoe in obstetric antiphospholipid syndrome based on systems pharmacology and molecular docking. *Medicine*, 105(19), e48706.

Zhou Y, et al. (2026) Mechanism and evolutionary divergence of a novel oxidized polyvinyl alcohol hydrolase in *Stenotrophomonas rhizophila* QL-P4. *Scientific reports*, 16(1), 6411.

Bou Francis R, et al. (2026) Computational analysis of CCN1 as a druggable target predicts interactions with bioactive compounds. *Scientific reports*, 16(1), 4039.

Meral O, et al. (2026) In Silico and In Vitro Investigation of Apoptosis-Mediated Antiproliferative Activity of Capsaicin and Alpha-Lipoic Acid Against Prostate Cancer Cells. *Current issues in molecular biology*, 48(4).

Yin K, et al. (2026) TPO1-based polyamines transport contributes to pathogenicity of sugarcane smut fungus. *Mycology*, 17(1), 2542561.

L??thje S, et al. (2026) Cellular Responses of Maize Roots to Long-Term Cadmium Exposure: Adjustments of Class III Peroxidases, Plasma Membrane and Tonoplast Sub-Proteomes. *Proteomes*, 14(1).

Punyauppa-Path S, et al. (2026) Characterization of Metabolites in Plant-Based Milk Yogurt Enriched with *Wolffia globosa* to Improve Bionutritional and Functional Properties. *International journal of molecular sciences*, 27(10).

Starnovskaya SS, et al. (2026) Isolation, Bromination, and Antimicrobial Activity of 3-Ethyl-4-hydroxy-6-methyl-2H-pyran-2-one from Sea Cucumber-Associated Fungus *Trichoderma koningii* KMM 4751. *Antibiotics (Basel, Switzerland)*, 15(6).

Mesquita JT, et al. (2026) Econazole Exhibits In Vitro and In Vivo Efficacy Against *Leishmania amazonensis*. *Pharmaceuticals (Basel, Switzerland)*, 19(1).

Gungormez C, et al. (2026) Investigating the Therapeutic Effects of Naringenin and Oleuropein on Prostate Cancer Cell Mat-LyLu via miR-155-5p: A Bioinformatics and Molecular Docking Analysis of KRAS and CDK2 Networks. *Genes*, 17(1).

Choi HJ, et al. (2026) Integrated transcriptomic and targeted triterpenoid profiling reveals key enzymes in triterpenoid biosynthesis of *Oplopanax elatus*. *Scientific reports*, 16(1).