

Resource Summary Report

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PubChem

RRID:SCR_004284

Type: Tool

Proper Citation

PubChem (RRID:SCR_004284)

Resource Information

URL: <http://pubchem.ncbi.nlm.nih.gov/>

Proper Citation: PubChem (RRID:SCR_004284)

Description: Collection of information about chemical structures and biological properties of small molecules and siRNA reagents hosted by the National Center for Biotechnology Information (NCBI).

Resource Type: data repository, data or information resource, database, storage service resource, service resource

Defining Citation: [PMID:21418625](#), [PMID:21272340](#), [PMID:20970519](#), [PMID:20298522](#), [PMID:19825798](#)

Keywords: collection, information, data, chemical, structure, biological, property, small, molecule, siRNA reagent, bio.tools

Funding: NLM

Availability: Free, Freely Available

Resource Name: PubChem

Resource ID: SCR_004284

Alternate IDs: biotools:pubchem, nlx_42691, nlx_29861, r3d100010538, OMICS_01587

Alternate URLs: <https://bio.tools/pubchem>, <https://doi.org/10.17616/R3GW37>

Record Creation Time: 20220129T080223+0000

Record Last Update: 20260804T043238+0000

Ratings and Alerts

No rating or validation information has been found for PubChem.

No alerts have been found for PubChem.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 13540 mentions in open access literature.

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

Kong XX, et al. (2026) TostOBP12 mediates the olfactory response to host volatiles in the parasitoid wasp *Trichogramma ostrinae*. *Insect biochemistry and molecular biology*, 104491.

Pan J, et al. (2026) Cannabidiol suppresses emergency MDSCs generation by disturbing EEF1B2-mediated C/EBP β protein synthesis in colorectal adenomas. *Journal for immunotherapy of cancer*, 14(1).

Gao X, et al. (2026) Salvianolic acid A from *Salvia miltiorrhiza* identified as a cap-dependent endonuclease inhibitor for pathogenic arenaviruses. *Acta pharmacologica Sinica*, 47(1), 173.

Zhang Q, et al. (2026) Synergistic effects of Akebia saponin D and Semaglutide on diabetic nephropathy and osteoporosis via the Klotho/p53 signaling axis. *International journal of molecular medicine*, 57(1).

Ali IJ, et al. (2026) Anti-Inflammatory, Antioxidant, Molecular Docking and Pharmacokinetics Properties of Cycloeucalenone Isolated From *Musa paradisica* L. Fruit Peels. *Chemistry & biodiversity*, 23(1), e02342.

Cheng M, et al. (2026) Targeting p38 MAPK signaling pathway: Quercetin as a novel therapy for TMJ synovitis. *International journal of molecular medicine*, 57(1).

Moreno-Chamba B, et al. (2026) Persimmon carotenoid extract rich in β -cryptoxanthin improves glucose homeostasis and reduces liver damage in high-fat-diet-induced type 2 diabetic and metabolic dysfunction-associated steatotic liver disease mice. *Journal of the science of food and agriculture*, 106(2), 1299.

Zhao Q, et al. (2026) Mafu Yishen Formula ameliorates membranous nephropathy by promotion of regulatory T cell differentiation: a multi-omics study. *Chinese medicine*, 21(1), 5.

Li JG, et al. (2026) Auranofin potentiates linezolid activity against MRSA by disrupting redox homeostasis and inhibiting SarA-mediated virulence and biofilm. *Virulence*, 17(1), 2605759.

Shi D, et al. (2026) Gut microbiota-derived tryptophan metabolite indole-3-carboxaldehyde enhances intestinal barrier function via aryl hydrocarbon receptor/AMP-activated protein kinase signaling activation. *Animal bioscience*, 39(1), 250225.

Mantzana-Oikonomaki V, et al. (2026) Pigments, Chromatophore Structure, and Gene Expression Underlying Colour Polytypy of a Panamanian Poison Frog. *Molecular ecology*, 35(1), e70214.

Wang Z, et al. (2026) Integrated Network Pharmacology, Single-Cell Transcriptomics Unveil the Mechanistic Role of Morusin in Aortic Dissection. *Journal of cellular and molecular medicine*, 30(1), e70971.

Xiang F, et al. (2026) Integrative multiomics analysis reveals the ameliorative effects of Xiasangju on metabolic dysfunction-associated steatohepatitis. *Chinese medicine*, 21(1), 3.

Lv X, et al. (2026) *Blautia coccoides*-derived metabolite trimethylamine-N-oxide exacerbates Alzheimer's disease progression via targeting HIF1 α signaling. *Gut microbes*, 18(1), 2605768.

Li L, et al. (2026) Hyperoside prevents osteoporosis by activating the PI3K/AKT signaling pathway to inhibit oxidative stress and promote osteogenesis. *Molecular medicine reports*, 33(2).

Rizvi SA, et al. (2026) Scaling Large Language Models for Next-Generation Single-Cell Analysis. *bioRxiv : the preprint server for biology*.

Bridlance C, et al. (2026) Microglial colonization of the developing mouse brain is controlled by both microglial and neural CSF-1. *The EMBO journal*, 45(1), 151.

Chiang YC, et al. (2026) Multi-Omics and Single-Cell Dissection of Exostosin Glycosyltransferases (EXT1/EXT2) Reveals Divergent Oncogenic Roles and Therapeutic Vulnerabilities in Gliomas. *Journal of Cancer*, 17(1), 177.

Zhang Y, et al. (2026) Schisandrin B Targets PXR to Enhance Bile Acid Metabolism and Alleviate ANIT-Induced Cholestatic Liver Injury via Dual Pathways. *International journal of biological sciences*, 22(1), 387.

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.