Resource Summary Report

Generated by kravitz2 on Aug 4, 2026

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 kravitz2 .

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

Pan J, et al. (2026) Cannabidiol suppresses emergency MDSCs generation by disturbing EEF1B2-mediated C/EBP? 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.

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

Moreno-Chamba B, et al. (2026) Persimmon carotenoid extract rich in ?-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.

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).

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.

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).

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.

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.

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.

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).

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.

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.

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

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.

Manuel M, et al. (2026) Exploring a GE/Nafion/Co-MOF nanosheets/CuO NPs/GOx powered electrochemical biosensor for ultrasensitive detection of rebaudioside A. Nanoscale advances, 8(1), 167.

Huang L, et al. (2026) New insight into the epidemiological trends of respiratory syncytial virus infection and the underlying anti-respiratory syncytial virus mechanisms of andrographolide: integrating Global Burden of Disease database, network pharmacological analysis, and in vitro experiments. Microbiology spectrum, 14(1), e0234125.