

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 or information resource, data repository, 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: 20260820T054431+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 15598 mentions in open access literature.

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

Zhang L, et al. (2027) Discovery of leucine analogues of tyrocidines and tryptocidines from *Brevibacillus brevis* B011 through genome mining and in vitro biosynthesis. *Synthetic and systems biotechnology*, 15, 58.

Jiang X, et al. (2026) USP20-Driven Cholesterol Metabolism Links Inflammatory Signaling to Malignancy and Stromal Coevolution in Pancreatic Cancer. *Cancer research*, 86(3), 712.

Liu A, et al. (2026) Soluble Uric Acid Drives CD8+ T-cell Exhaustion by Inducing KSR1-Mediated MAPK Hyperactivation. *Cancer research*, 86(14), 3459.

Jiang M, et al. (2026) Analysis of the molecular mechanism underlying di(2-ethylhexyl) phthalate-induced bladder carcinogenesis via network toxicology and molecular docking approaches: An observational study. *Medicine*, 105(6), e47378.

Xu R, et al. (2026) Penicillide Triggers Immunogenic Pyroptosis in Tumor Cells via Oxidative Stress/NF- κ B/GSDMD Signaling Axis. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(6), e71636.

Jiang YY, et al. (2026) Ze-qi Decoction Inhibits Neutrophil Extracellular Trap Formation to Suppress the Progression and Metastasis of Non-Small Cell Lung Cancer. *Integrative cancer therapies*, 25, 15347354261420750.

Huang Y, et al. (2026) SR-B1-Mediated Transplacental Transfer of Hydrophobic Toxicants Disrupts Fetal Development During Barrierogenesis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(23), e15742.

Lu Y, et al. (2026) GAL3ST1-Mediated Histone Tyrosine Sulfation Induced by Cancer-Associated Fibroblasts Promotes Gastric Cancer Metastasis. *Cancer research*, 86(10), 2429.

Azadi A, et al. (2026) Encapsulation of colistin using hyaluronic acid and PVA-PSS polymeric nanocarriers for enhanced drug delivery: a molecular dynamics simulation study. *Scientific reports*, 16(1).

Zhu J, et al. (2026) Icariside ? alleviates heart failure based on Wnt/?-catenin-mitochondrial apoptotic pathway. *European journal of pharmacology*, 1030, 179099.

Li M, et al. (2026) SAICAR Drives T Regulatory Cell Differentiation and FOXP3 Maintenance to Promote Immunotherapy Resistance. *Cancer research*, 86(9), 2218.

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? protein synthesis in colorectal adenomas. *Journal for immunotherapy of cancer*, 14(1).

Ghasemi F, et al. (2026) Expansion, functional diversification, and gene fusion events in the Ato protein family. *iScience*, 29(7), 116467.

Wei S, et al. (2026) Risk assessment for hydrophobic disinfectants and antiseptics as contaminants in freshwater using risk quotient and network pharmacology approaches. *iScience*, 29(7), 116339.

Kim S, et al. (2026) LDI, A Lipid Droplet Inhibitor, Disrupts Lipid Accumulation and Modulates Hepatic Lipid Profiles in Fatty Liver. *Advanced materials (Deerfield Beach, Fla.)*, 38(7), e06373.

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).

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).

Betow JY, et al. (2026) African Natural Products Database (ANPDB): A resource for exploring the therapeutic potential of natural compounds from Africa. *Nucleic acids research*, 54(D1), D1336.

Jia C, et al. (2026) Machine learning and network pharmacology identify keloid biomarkers (AMPH, TNFRSF9) and therapeutic targets (IL6, HAS2) for aloe-derived quercetin. *PloS one*, 21(1), e0340960.