Resource Summary Report

Generated by SPARC SAWG on Sep 17, 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 or information resource, data repository, database, service resource, storage 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: 20260912T195611+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 SPARC SAWG .

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.

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.

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.

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

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

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

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

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 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).

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.

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

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.

Yang X, et al. (2026) Polyethylene terephthalate microplastics exposure enhances the risk of ulcerative colitis: insights from multiomics integration, machine learning, and molecular docking reveal intestinal toxicity mechanisms. International journal of surgery (London, England), 112(1), 735.

Imran M, et al. (2026) Enhancing bioinformatics engineering by utilizing graph therapeutic properties for clinically approved antitoxin drugs in zoonotic diseases. Scientific reports, 16(1).

Shangguan W, et al. (2026) FomA-Containing Outer Membrane Vesicles of Fusobacterium Nucleatum Facilitate Bladder Cancer Lymphatic Metastasis via IL-6-Dependent M2b Macrophage Polarization. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(23), e23256.

Jaafar FR, et al. (2026) Network and molecular insights into the antidiabetic potential of squalene in alloxan-induced diabetes. Scientific reports, 16(1).