

Resource Summary Report

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PubChem Substance

RRID:SCR_004742

Type: Tool

Proper Citation

PubChem Substance (RRID:SCR_004742)

Resource Information

URL: <http://www.ncbi.nlm.nih.gov/pcsubstance?db=pcsubstance>

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Description: As one of three primary databases of PubChem (Pcsubstance, Pccompound, and PCBioAssay), PubChem Substance Database contains descriptions of chemical samples, from a variety of sources, and links to PubMed citations, protein 3D structures, and biological screening results that are available in PubChem BioAssay. If the contents of a chemical sample are known, the description includes links to PubChem Compound. A PubChem FTP is available and new data is accepted into the repository. Pcsubstance contains more than 81 million records (2011).

Abbreviations: PubChem Substance

Synonyms: PubChem Substances Database, Pcsubstance, NCBI PubChem Substance, PubChem Substance Database

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

Defining Citation: [PMID:26400175](#), [PMID:26175801](#)

Keywords: small molecule, biological activity, chemical substance, bioactivity, gold standard

Resource Name: PubChem Substance

Resource ID: SCR_004742

Alternate IDs: nlx_74645

Alternate URLs: <http://pubchem.ncbi.nlm.nih.gov/>

Record Creation Time: 20220129T080226+0000

Ratings and Alerts

No rating or validation information has been found for PubChem Substance.

No alerts have been found for PubChem Substance.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5313 mentions in open access literature.

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

Baskaran SP, et al. (2026) sCentInDB: a database of essential oil chemical profiles of Indian medicinal plants. *Molecular diversity*, 30(1), 789.

Chen Y, et al. (2026) Urate-lowering effect of delphinidin-3-glucoside in red kidney beans via binding to the FAD site of the XO enzyme. *Journal of advanced research*, 80, 555.

Zhang H, et al. (2026) When glycobiology meets inflammasome activation: Insights and implications. *Journal of advanced research*, 79, 833.

Maletin N, et al. (2026) Insight into the Hypoglycemic Effects of Pinus nigra Arn. Bark Extracts Through In Silico and In Vivo Analysis. *Plants (Basel, Switzerland)*, 15(3).

Kiatlertpongsa T, et al. (2026) A Safer Alternative Bio-Repellent: Targeting Mosquito Odorant-Binding Proteins with Catnip-Derived Nepetalactones from Nepeta cataria Leaves. *International journal of molecular sciences*, 27(3).

Nemutlu Samur D, et al. (2026) Oridonin attenuates TLR4-driven inflammation and autophagy in LPS-stimulated enteric glial cells: an in vitro and in silico analysis. *Frontiers in cellular neuroscience*, 20, 1748505.

Ye C, et al. (2026) The stem of Schisandra chinensis and Schisandrin B alleviated DNCB-induced atopic dermatitis in mice by inhibiting the NF- κ B pathway. *Frontiers in immunology*, 17, 1725312.

Abdnim R, et al. (2026) In vitro and in silico antiglycation antihyperglycemic and anti-inflammatory properties of chemically profiled fruit extracts of Solanum obtusifolium Dunal. *Scientific reports*, 16(1).

Liu J, et al. (2026) Dehydrocorydaline treatment suppresses Th17 differentiation via the mTOR-mediated STAT3-ROR γ t signaling in systemic lupus erythematosus. *Molecular medicine (Cambridge, Mass.)*, 32(1).

Lu Y, et al. (2026) Wogonin as a potential therapeutic agent for psoriasis: Core target identification and validation. *Experimental and therapeutic medicine*, 31(4), 98.

Wu B, et al. (2026) Transcriptomic and metabolomic analysis of metabolite changes and regulatory mechanisms associated with gonadal degeneration in yellow oil crab (*Scylla paramamosain*). *BMC genomics*, 27(1).

Chen Y, et al. (2026) UniSyn: a multi-modal framework with knowledge transfer for anti-cancer drug synergy prediction. *Genome biology*, 27(1).

Xu M, et al. (2026) Proanthocyanidins enhance antitumor immunity by promoting ubiquitin-proteasomal PD-L1 degradation via stabilization of LKB1 and SYVN1. *The Journal of clinical investigation*, 136(3).

Guo Z, et al. (2026) Psoralidin, a main compound in *Psoraleae Fructus*, induces hepatotoxicity by impeding lipid oxidative catabolism and aggravating lipid accumulation in mice. *Chinese medicine*, 21(1), 58.

Peng X, et al. (2026) Deciphering stromal cell interactions in osteosarcoma highlights CDKN2A and MMP14 as novel diagnostic and therapeutic biomarkers. *European journal of medical research*, 31(1), 329.

Hung NA, et al. (2026) In Silico and In Vitro Insights into the Pharmacological Potential of *Pouzolzia zeylanica*. *Molecules (Basel, Switzerland)*, 31(2).

Zhao P, et al. (2026) Integrative miRNA-mRNA Network and Molecular Dynamics-Based Identification of Therapeutic Candidates for Paroxysmal Nocturnal Hemoglobinuria. *Pharmaceuticals (Basel, Switzerland)*, 19(1).

Zhuang C, et al. (2026) Mechanisms of deoxynivalenol-induced multi-organ toxicity in broiler chickens: The central role of the Rap1/MAPK pathway revealed by network pharmacology and molecular docking. *Poultry science*, 105(4), 106494.

Hu J, et al. (2026) Environmental toxicant ochratoxin A induces psoriasis based on network toxicology machine learning and molecular docking analyses. *Scientific reports*, 16(1), 6419.

Chen C, et al. (2026) Computational-experimental study reveals direct target and bioactives of *Ajania fruticulosa* against NAFLD via TLR2/NF- κ B/PPAR- γ signaling. *NPJ science of food*, 10(1), 73.