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, d spatial image, database, service resource, storage service resource, data repository

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

Record Last Update: 20260808T185822+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 nidm-terms .

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-?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?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-?B/PPAR-? signaling. NPJ science of food, 10(1), 73.