

Resource Summary Report

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ChemSpider

RRID:SCR_006360

Type: Tool

Proper Citation

ChemSpider (RRID:SCR_006360)

Resource Information

URL: <http://www.chemspider.com/>

Proper Citation: ChemSpider (RRID:SCR_006360)

Description: Collection of chemical structures. Provides access to structures, properties and associated information from hundreds of data sources to find compounds of interest and provides services to improve this data by curation and annotation and to integrate it with users applications.

Abbreviations: ChemSpider

Resource Type: software application, service resource, data or information resource, database, data access protocol, software resource, web service, mobile app

Keywords: collection, chemical, structure, property, data, compound, bio.tools, FASEB list

Funding: Waters ;
GGA Software Services

Availability: Free, Freely available, Registration required for some sites

Resource Name: ChemSpider

Resource ID: SCR_006360

Alternate IDs: nlx_152101, biotools:chemspider, r3d100010205

Alternate URLs: <https://bio.tools/chemspider>, <https://doi.org/10.17616/R38P4P>

Record Creation Time: 20220129T080235+0000

Record Last Update: 20260729T044135+0000

Ratings and Alerts

No rating or validation information has been found for ChemSpider.

No alerts have been found for ChemSpider.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1759 mentions in open access literature.

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

De Coninck T, et al. (2025) OsAPSE modulates non-covalent interactions between arabinogalactan protein O-glycans and pectin in rice cell walls. *Frontiers in plant science*, 16, 1588802.

Maphari PW, et al. (2025) Comparative metabolites profiling of different solvent extracts of Asparagus species cladodes using liquid chromatography-mass spectrometry-based metabolomics and molecular networking. *Phytochemical analysis : PCA*, 36(3), 506.

Alvarez-Mora I, et al. (2025) High-Throughput Effect-Directed Analysis of Androgenic Compounds in Hospital Wastewater: Identifying Effect Drivers through Non-Target Screening Supported by Toxicity Prediction. *Environmental science & technology*, 59(45), 24513.

Onji M, et al. (2025) RANK drives structured intestinal epithelial expansion during pregnancy. *Nature*, 637(8044), 156.

Fitzpatrick AD, et al. (2025) Phage reprogramming of *Pseudomonas aeruginosa* amino acid metabolism drives efficient phage replication. *mBio*, 16(3), e0246624.

Shepard HS, et al. (2025) A Fast-Pass, Desorption Electrospray Ionization Mass Spectrometry Strategy for Untargeted Metabolic Phenotyping. *Journal of the American Society for Mass Spectrometry*, 36(2), 400.

Sepehri S, et al. (2025) The TOXIN knowledge graph: supporting animal-free risk assessment of cosmetics. *Database : the journal of biological databases and curation*, 2025.

Dias Cappelini LT, et al. (2025) Assessing Variability in Children's Exposure to Contaminants in Food: A Longitudinal Non-Targeted Analysis Study in Miami, Florida. *Journal of xenobiotics*, 15(1).

Pretorius CJ, et al. (2025) Metabolome profiling dissects the oat (*Avena sativa* L.) innate immune response to *Pseudomonas syringae* pathovars. *PloS one*, 20(2), e0311226.

Chervet A, et al. (2025) Development and characterization of a chicory extract fermented by *Akkermansia muciniphila*: An in vitro study on its potential to modulate obesity-related

inflammation. *Current research in food science*, 10, 100974.

Li L, et al. (2025) Shenmai injection revives cardiac function in rats with hypertensive heart failure: involvement of microbial-host co-metabolism. *BMC complementary medicine and therapies*, 25(1), 24.

Egbuna C, et al. (2025) Anti-proliferative effects of a polyherbal formulation on HL-60, HCT-116, and HeLa cell lines: a docking simulation and response surface design-aided study. *Frontiers in chemistry*, 13, 1487887.

Novi S, et al. (2025) Metabolomics insights into the protective molecular mechanism of *Vaccinium myrtillus* against oxidative stress in intestinal cells. *Scientific reports*, 15(1), 8643.

Shrestha RK, et al. (2025) Chemical composition, antioxidant, antimicrobial, and anticancer activities of *Mahonia napaulensis* DC. bark from Nepal. *BMC complementary medicine and therapies*, 25(1), 105.

Talebi M, et al. (2025) Investigating the neuroprotective effects of *Dracocephalum moldavica* extract and its effect on metabolomic profile of rat model of sporadic Alzheimer's disease. *Heliyon*, 11(3), e42412.

Yu H, et al. (2025) High-Resolution Untargeted Metabolomics Reveals Alternate-Day Fasting May Attenuate Diabetic Kidney Disease Progression in BTBR ob/ob Mice by Affecting the HCA, IPA and Reducing Inflammation. *Inflammation*, 48(5), 3252.

Ávila-Gálvez MÁ, et al. (2025) Oral Delivery of Ellagic Acid Encapsulated in Milk Exosomes: Sex-Based Differences in Bioavailability, Urolithin Production, and Gut Microbiota Modulation. *Molecular nutrition & food research*, 69(15), e70104.

Chen JL, et al. (2025) Protein interactions, network pharmacology, and machine learning work together to predict genes linked to mitochondrial dysfunction in hypertrophic cardiomyopathy. *Scientific reports*, 15(1), 15017.

Zhang XR, et al. (2025) Discrimination of poisonous and medicinal plants with similar appearance (*Asarum heterotropoides* vs. *Cynanchum paniculatum*) via a fusion method of E-nose, E-tongue, LC-HR-Q-TOF-MS/MS, and electrochemical fingerprint spectra. *Frontiers in chemistry*, 13, 1578126.

Anuradha DS, et al. (2025) Predictive modelling and ranking: *Azadirachta indica* compounds through indices and multi-criteria decision-making techniques. *Frontiers in chemistry*, 13, 1580267.