

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

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: 20260801T190307+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 [ASWG](#) .

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.

Yuan T, et al. (2025) PRMT1-mediated methylation of UBE2m promoting calcium oxalate crystal-induced kidney injury by inhibiting fatty acid metabolism. *Cell death & disease*, 16(1), 579.

Carmeli G, et al. (2025) Whole-Cell Fiber-Optic Biosensor for Real-Time, On-Site Sediment and Water Toxicity Assessment: Applications at Contaminated Sites Across Israel. *Biosensors*, 15(7).

Peron G, et al. (2025) Investigating Systemic Metabolic Effects of Betula alba Leaf Extract in Rats via Urinary Metabolomics. *Metabolites*, 15(7).

Maceda-Lopez LF, et al. (2025) Multi-Omics Analyses on Maya-Land Tomatoes Shed Light on Plant Strategies to Thrive in High Temperatures. *Physiologia plantarum*, 177(4), e70429.

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.

Dias Cappellini 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).

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.

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

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.

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.

Sooklim C, et al. (2025) Integrated omic analysis of a new flavor yeast strain in fermented rice milk. *FEMS yeast research*, 25.

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

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.

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.

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.

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.

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.