

Resource Summary Report

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MassBank

RRID:SCR_015535

Type: Tool

Proper Citation

MassBank (RRID:SCR_015535)

Resource Information

URL: <http://www.massbank.jp/?lang=en>

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Description: Public repository of mass spectral data which allows users to search similar spectra on a peak-to-peak basis, on a neutral loss-to-neutral loss basis, or by the m/z value and molecular formula, search chemical compounds by substructures, and keyword search chemical compounds

Resource Type: data or information resource, database

Keywords: mass spectrometry, ms database, mass spectrometry database, chemical structure, chemical identification, FASEB list

Funding: Institute for Bioinformatics Research and Development Japan Science and Technology Agency ;
National Bioscience Database Center Japan Science and Technology Agency ;
Mass Spectorometry Society of Japan

Resource Name: MassBank

Resource ID: SCR_015535

License URLs: <http://www.massbank.jp/en/regulation.html>

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260829T183019+0000

Ratings and Alerts

No rating or validation information has been found for MassBank.

No alerts have been found for MassBank.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1429 mentions in open access literature.

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

Cho E, et al. (2026) Synergistic antifungal effects of botanical extracts against *Candida albicans*. *PloS one*, 21(1), e0340665.

Shen Z, et al. (2026) Response of Youzhou black goats to stress from natural pastures deficient in minerals. *Scientific reports*, 16(1), 670.

Luechine A, et al. (2026) Antioxidant and selective cytotoxic activity of *Dipterocarpus obtusifolius* flower extract against gastrointestinal cancer, with bioactive component profiling. *BMC complementary medicine and therapies*, 26(1), 44.

Lambiase A, et al. (2026) Acteoside exerts neuroprotective effects by preventing α -synuclein aggregation and oxidative stress in models of Parkinson's disease. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 23(1), e00825.

Verdin E, et al. (2026) CD38 Inhibition Ameliorates Age-Related Cognitive Decline via a Choroid Plexus-Cerebrospinal Fluid-Hippocampus Axis. *Research square*.

Zhu Z, et al. (2026) Effects of dietary fiber on the gut microbiota, intestinal barrier, and inflammatory factors in Xinjiang black pigs. *BMC microbiology*, 26(1).

Silvestre R, et al. (2026) OctoChemDB: An Aggregated Database for Small Molecule Identification Using High-Resolution MS Data. *Analytical chemistry*, 98(8), 6102.

Xu X, et al. (2026) Resolving cognitive heterogeneity in white matter hyperintensities through integrated analyses of microbiome, metabolome, and brain glymphatic function. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(2), e71201.

Kahwa I, et al. (2026) Comparative Phytochemical Profiles of Medicinal Plants Used for Wound Treatment: Insights From Wild and Hydroponically Cultivated Species in Lugazi Diocese, Uganda. *Chemistry & biodiversity*, 23(1), e03018.

Khruengsai S, et al. (2026) Antibacterial, antibiofilm, and metabolomic profiling of the novel freshwater fungi *Longipedicellata megafusiformis* and *Wicklowia fusiformispora*. *Scientific reports*, 16(1), 6083.

Zhang X, et al. (2026) Untargeted-targeted metabolomics: energy metabolism characteristics in heart failure staging and discovery of novel biomarkers. *Journal of translational medicine*, 24(1), 259.

- Hamdy NM, et al. (2026) Nano-formulated pomegranate extracts with dual cytotoxic and antimicrobial activity: molecular docking and mechanistic insights into leukemia cell targeting. *BMC complementary medicine and therapies*, 26(1).
- Yuan C, et al. (2026) Integrated Transcriptomic and Metabolomic Analysis Reveals Molecular Signatures Associated with Natural Degeneration of *Puccinia striiformis* f. sp. *tritici*. *Current issues in molecular biology*, 48(2).
- Huang C, et al. (2026) Male obesity causes adipose mitochondrial dysfunction in F1 mouse progeny via a let-7-DICER axis. *Nature communications*, 17(1).
- Zhang X, et al. (2026) Integrating Metabolomics and Proteomics to Reveal the Regulatory Network Governing the Natural Variation in Rice Seed Germination Rate. *Plants (Basel, Switzerland)*, 15(4).
- Barrett DP, et al. (2026) Ultra-Violet Induced Biochemical Changes in an Invasive Weed and their Implications for Plant-Biocontrol Agent Interactions. *Journal of chemical ecology*, 52(2).
- Wang Q, et al. (2026) Calcium supply promotes seed germination in Tartary buckwheat (*Fagopyrum tataricum*) by mediating amino acid and lipid metabolism to drive osmotic regulation and antioxidant responses. *BMC plant biology*, 26(1).
- Mavlonazarova S, et al. (2026) Untargeted Metabolomics Reveals Organ-Specific and Extraction-Dependent Metabolite Profiles in Endemic Tajik Species *Ferula violacea* Korovin. *Plant direct*, 10(3), e70123.
- Liu Q, et al. (2026) Cross-niche metabolite-microbiome interactions orchestrate systemic soybean resistance to *Fusarium* root rot. *The ISME journal*, 20(1).
- Yin J, et al. (2026) Integrated Physiological, Transcriptomic and Metabolomic Analyses Provide Insights into the Adaptive Mechanism of *Salix viminalis* Roots in Response to Cadmium Stress. *Plants (Basel, Switzerland)*, 15(7).