

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: 20260912T200215+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](#) .

Liu Q, et al. (2026) Cross-niche metabolite-microbiome interactions orchestrate systemic soybean resistance to Fusarium root rot. *The ISME journal*, 20(1).

Gizaw Y, et al. (2026) Influence of Ultrasound-Assisted and Supercritical CO₂ Extraction on Phytochemical Profiles with Antimicrobial and Antioxidant Functionality from Olive Leaves and Olive Pomace. *Molecules (Basel, Switzerland)*, 31(7).

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).

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).

Wang Y, et al. (2026) Enhancement of Disease Resistance in Pengze Crucian Carp (*Carassius auratus* var. Pengze) by Carvacrol Through Modulation of Intestinal Microbiota and Serum Metabolism. *Metabolites*, 16(3).

Ma M, et al. (2026) FNDC5/irisin ameliorates diabetes-associated cognitive dysfunction via $\text{V}\beta\text{5-cAMP}$ signaling to regulate oxidative stress, neuroinflammation and synaptic plasticity. *Journal of translational medicine*, 24(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).

Gou W, et al. (2026) Integrative transcriptomic and metabolomic analysis reveals key genes and regulatory networks underlying seed germination in *Polygonatum sibiricum*. *BMC genomics*, 27(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).

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).

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.

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.

Chen C, et al. (2026) Multi-faceted characterization of the gut microbiome and metabolome in patients with primary Sjögren syndrome. *Cell reports. Medicine*, 7(5), 102777.

Zhu YJ, et al. (2026) Amonafide Targeting NTSR1-PI3K/AKT/mTOR Signaling Attenuates Vascular Remodeling in Pulmonary Arterial Hypertension. *Journal of the American Heart Association*, 15(10), e045580.

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).

Wen WS, et al. (2026) *Corchorus olitorius* L. Protects Zebrafish Hair Cells Against Cisplatin-Induced Damage via Antioxidant and Anti-Apoptotic Mechanisms. *Antioxidants (Basel, Switzerland)*, 15(6).

Myhre TN, et al. (2026) Practical Workflow for Building Local Mass Spectral Libraries for Untargeted Metabolomics. *Metabolites*, 16(6).

Ahlberg Weidenfors J, et al. (2026) Librarian: An Open-Access Web Application for High-Resolution Mass Spectral Library Assembly. *Metabolites*, 16(6).

Hirata Y, et al. (2026) Bile and Serum Metabolomics in Living Donor Liver Transplantation: Exploratory Insights into Acute Rejection Biomarkers. *Metabolites*, 16(4).