

Resource Summary Report

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Mass Spectral Library

RRID:SCR_014668

Type: Tool

Proper Citation

Mass Spectral Library (RRID:SCR_014668)

Resource Information

URL: <https://www.nist.gov/srd/nist-standard-reference-database-1a-v14>

Proper Citation: Mass Spectral Library (RRID:SCR_014668)

Description: A library containing spectra upwards of 200,000 chemical compounds. Spectra include metabolites, peptides, contaminants, and lipids. All spectra and chemical structures are examined by professionals.

Resource Type: data or information resource, database

Keywords: library, database, spectra, mass spectrometry, metabolomics, metabolites, protein, lipid, contaminant

Availability: Available with the NIST MS Search Program for Windows

Resource Name: Mass Spectral Library

Resource ID: SCR_014668

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260905T133210+0000

Ratings and Alerts

No rating or validation information has been found for Mass Spectral Library.

No alerts have been found for Mass Spectral Library.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Rutz A, et al. (2026) MultiMS2: A curated multi-modal, multi-energy spectral library for metabolomics. *GigaScience*, 15.

Mohammadzadeh R, et al. (2026) Cross-domain metabolic interactions link *Methanobrevibacter smithii* to colorectal cancer microbial ecosystems. *Nature communications*, 17(1).

Deng S, et al. (2025) Identification and impact of microbiota-derived metabolites in ascites of ovarian and gastrointestinal cancer. *Cancer & metabolism*, 13(1), 21.

Bleve A, et al. (2025) ROR? Bridges Cancer-Driven Lipid Dysmetabolism and Myeloid Immunosuppression. *Cancer discovery*, 15(7), 1505.

Zenzen I, et al. (2024) Transcriptional and metabolic profiling of sulfur starvation response in two monocots. *BMC plant biology*, 24(1), 257.

Damiecki M, et al. (2024) Mitochondrial apolipoprotein MIC26 is a metabolic rheostat regulating central cellular fuel pathways. *Life science alliance*, 7(12).

Kapr J, et al. (2024) HiPSC-derived 3D neural models reveal neurodevelopmental pathomechanisms of the Cockayne Syndrome B. *Cellular and molecular life sciences : CMLS*, 81(1), 368.

Schlüter U, et al. (2023) Brassicaceae display variation in efficiency of photorespiratory carbon-recapturing mechanisms. *Journal of experimental botany*, 74(21), 6631.

Pelligra A, et al. (2023) Pancreatic islet protection at the expense of secretory function involves serine-linked mitochondrial one-carbon metabolism. *Cell reports*, 42(6), 112615.

Mehjardi NZ, et al. (2023) The development of a hiPSC-based platform to identify tissue-dependencies of IDH1 R132H. *Cell death discovery*, 9(1), 452.

Alpizar-Sosa EA, et al. (2022) Amphotericin B resistance in *Leishmania mexicana*: Alterations to sterol metabolism and oxidative stress response. *PLoS neglected tropical diseases*, 16(9), e0010779.

Curien G, et al. (2021) Mixotrophic growth of the extremophile *Galdieria sulphuraria* reveals the flexibility of its carbon assimilation metabolism. *The New phytologist*, 231(1), 326.

Dietsch M, et al. (2021) Metabolic engineering of *Synechocystis* sp. PCC 6803 for the photoproduction of the sesquiterpene valencene. *Metabolic engineering communications*, 13, e00178.

Maher T, et al. (2021) Optimization of Ultrasound-Assisted Extraction of Bioactive Compounds from *Acacia Seyal* Gum Using Response Surface Methodology and Their

Chemical Content Identification by Raman, FTIR, and GC-TOFMS. Antioxidants (Basel, Switzerland), 10(10).

Schmitz J, et al. (2020) The genome of *Ricinus communis* encodes a single glycolate oxidase with different functions in photosynthetic and heterotrophic organs. *Planta*, 252(6), 100.

Shim SH, et al. (2019) Loss of Function of Rice Plastidic Glycolate/Glycerate Translocator 1 Impairs Photorespiration and Plant Growth. *Frontiers in plant science*, 10, 1726.

Eisfeld AJ, et al. (2017) Multi-platform 'Omics Analysis of Human Ebola Virus Disease Pathogenesis. *Cell host & microbe*, 22(6), 817.

Mwenechanya R, et al. (2017) Sterol 14 α -demethylase mutation leads to amphotericin B resistance in *Leishmania mexicana*. *PLoS neglected tropical diseases*, 11(6), e0005649.

Burkle LA, et al. (2017) The smell of environmental change: Using floral scent to explain shifts in pollinator attraction. *Applications in plant sciences*, 5(6).

Achyuthan KE, et al. (2017) Volatile Metabolites Emission by In Vivo Microalgae-An Overlooked Opportunity? *Metabolites*, 7(3).