

# Resource Summary Report

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## Birmingham Metabolite Library

RRID:SCR\_014666

Type: Tool

### Proper Citation

Birmingham Metabolite Library (RRID:SCR\_014666)

### Resource Information

**URL:** <http://www.bml-nmr.org>

**Proper Citation:** Birmingham Metabolite Library (RRID:SCR\_014666)

**Description:** A collection of experimental 1D and 2D J-resolved NMR spectra of 208 metabolite standards.

**Resource Type:** data or information resource, database

**Defining Citation:** [DOI:10.1007/s11306-011-0347-7](https://doi.org/10.1007/s11306-011-0347-7)

**Keywords:** metabolomics, database, metabolite, 1d, 2d, j resolved, nmr, spectra

**Availability:** Publicly available, Account required

**Resource Name:** Birmingham Metabolite Library

**Resource ID:** SCR\_014666

**Record Creation Time:** 20220129T080321+0000

**Record Last Update:** 20260905T133210+0000

### Ratings and Alerts

No rating or validation information has been found for Birmingham Metabolite Library.

No alerts have been found for Birmingham Metabolite Library.

### Data and Source Information

**Source:** [SciCrunch Registry](#)

## Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Tang R, et al. (2025) Integrated metabolomics and network pharmacology to investigate the anti-hyperlipidemia effect of geniposidic acid on high-fat diet induced mice. *Frontiers in cell and developmental biology*, 13, 1655114.

Cogrossi LL, et al. (2025) Microbiome modulation uncouples efficacy and toxicity induced by immune checkpoint blockade in mouse multiple myeloma. *Nature communications*, 16(1), 10384.

de Divitiis M, et al. (2023) Cheese-whey permeate improves the fitness of *Escherichia coli* cells during recombinant protein production. *Biotechnology for biofuels and bioproducts*, 16(1), 30.

Ciaramelli C, et al. (2023) Antarctic Soil Metabolomics: A Pilot Study. *International journal of molecular sciences*, 24(15).

Ciaramelli C, et al. (2022) NMR-Driven Identification of Cinnamon Bud and Bark Components With Anti-A $\alpha$  Activity. *Frontiers in chemistry*, 10, 896253.

Palmioli A, et al. (2022) Alzheimer's Disease Prevention through Natural Compounds: Cell-Free, In Vitro, and In Vivo Dissection of Hop (*Humulus lupulus* L.) Multitarget Activity. *ACS chemical neuroscience*, 13(22), 3152.

Letertre MPM, et al. (2021) Nuclear Magnetic Resonance Spectroscopy in Clinical Metabolomics and Personalized Medicine: Current Challenges and Perspectives. *Frontiers in molecular biosciences*, 8, 698337.

Varshavi D, et al. (2018) Metabolic Biomarkers of Ageing in C57BL/6J Wild-Type and Flavin-Containing Monooxygenase 5 (FMO5)-Knockout Mice. *Frontiers in molecular biosciences*, 5, 28.

Calosi P, et al. (2017) Regional adaptation defines sensitivity to future ocean acidification. *Nature communications*, 8, 13994.

Li Z, et al. (2017) <sup>1</sup>H-NMR Based Serum Metabolomics Study to Investigate Hepatoprotective Effect of Qin-Jiao on Carbon Tetrachloride-Induced Acute Hepatotoxicity in Rats. *Evidence-based complementary and alternative medicine : eCAM*, 2017, 6091589.

Wang Y, et al. (2016) <sup>1</sup>H NMR and MS based metabolomics study of the therapeutic effect of Cortex Fraxini on hyperuricemic rats. *Journal of ethnopharmacology*, 185, 272.

Johnson SR, et al. (2015) Open-access metabolomics databases for natural product research: present capabilities and future potential. *Frontiers in bioengineering and biotechnology*, 3, 22.

Alonso A, et al. (2015) Analytical methods in untargeted metabolomics: state of the art in 2015. *Frontiers in bioengineering and biotechnology*, 3, 23.