

Resource Summary Report

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Natural Products Atlas

RRID:SCR_025107

Type: Tool

Proper Citation

Natural Products Atlas (RRID:SCR_025107)

Resource Information

URL: <https://www.npatlas.org>

Proper Citation: Natural Products Atlas (RRID:SCR_025107)

Description: Open access knowledge base for microbial natural products discovery. Database of microbially derived natural product structures. Provides coverage of bacterial and fungal natural products to visualize chemical diversity. Includes compounds and contains referenced data for structure, compound names, source organisms, isolation references, total syntheses, and instances of structural reassignment. Interactive web portal permits searching by structure, substructure, and physical properties. Provides mechanisms for visualizing natural products chemical space and dashboards for displaying author and discovery timeline data. Atlas has been developed under FAIR principles.

Abbreviations: NP Atlas

Synonyms: , The Natural Products Atlas, The Natural Products Atlas 2.0

Resource Type: data or information resource, knowledge base, atlas

Defining Citation: [PMID:31807684](#), [DOI:10.1093/nar/gkab941](#)

Keywords: FAIR principles, microbial natural products discovery, natural product structures, bacterial and fungal natural products, visualize chemical diversity,

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NCCIH F31 AT010098;
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NCCIH AT008718;
NIGMS GM124461;
Natural Sciences and Engineering Research Council of Canada ;
Ministry of Science ;
Technology and Telecommunications of Costa Rica

Availability: Free, Freely available,

Resource Name: Natural Products Atlas

Resource ID: SCR_025107

Record Creation Time: 20240318T174908+0000

Record Last Update: 20260815T183208+0000

Ratings and Alerts

No rating or validation information has been found for Natural Products Atlas.

No alerts have been found for Natural Products Atlas.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Xie H, et al. (2026) Large-scale multi-omics profiling reveals environmental and evolutionary drivers of fungal phylogeographic and metabolic diversity. Nature communications, 17(1).

Weinberg F, et al. (2026) Integrative Analysis of Multiomic Pathways Predicts Cancer-Affected Lobes in Lung Cancer. Cancer prevention research (Philadelphia, Pa.), 19(4), 229.

Tian X, et al. (2026) A Structure-Based Deep Learning Framework for Correcting Marine Natural Products' Misannotations Attributed to Host-Microbe Symbiosis. Marine drugs, 24(1).

Schiavone G, et al. (2026) Insights into Bioactive Molecules in Rhododendron tomentosum: From Metabolomics to Biological Applications. Biomolecules, 16(1).

- Tang T, et al. (2026) *Saccharothrix camelliae* sp. nov., isolated from rhizosphere soil of *Camellia oleifera* Abel and proposal of *Saccharothrix yanglingensis* as a later heterotypic synonym of *Saccharothrix longispora*. *Frontiers in microbiology*, 17, 1716500.
- Zanotti C, et al. (2025) Anion exchange chromatography-based purification of plant-derived nanovesicles from *Brassica oleracea* L.: molecular profiling and bioactivity in human cells. *Frontiers in bioengineering and biotechnology*, 13, 1617478.
- Elsaman T, et al. (2025) Microbial-based natural products as potential inhibitors targeting DNA gyrase B of *Mycobacterium tuberculosis*: an in silico study. *Frontiers in chemistry*, 13, 1524607.
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- Łęgiszewska A, et al. (2025) Effects of bioreactor inoculation method on secondary metabolite production and morphological characteristics of *Streptomyces rimosus* in microparticle-enhanced cultivation (MPEC). *Microbial cell factories*, 24(1), 217.
- Poynton EF, et al. (2025) The Natural Products Atlas 3.0: extending the database of microbially derived natural products. *Nucleic acids research*, 53(D1), D691.
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- Metz TO, et al. (2025) Introducing "Identification Probability" for Automated and Transferable Assessment of Metabolite Identification Confidence in Metabolomics and Related Studies. *Analytical chemistry*, 97(1), 1.
- Meijer D, et al. (2025) Empowering natural product science with AI: leveraging multimodal data and knowledge graphs. *Natural product reports*, 42(4), 654.
- Butcher J, et al. (2025) Microbial bioremediation of persistent organic pollutants in plant tissues provides crop growth promoting liquid fertilizer. *Nature communications*, 16(1), 5768.
- Rochín-Hernández LS, et al. (2025) *Piper auritum* (Kunth) Fungal Endophytes: A Source of Metabolites to Inhibit the Formation of Advanced Glycation End Products. *Chemistry & biodiversity*, 22(10), e03371.

Mohamed MS, et al. (2025) Identification of Bacterial Oligopeptidase B Inhibitors from Microbial Natural Products: Molecular Insights, Docking Studies, MD Simulations, and ADMET Predictions. *Pharmaceuticals* (Basel, Switzerland), 18(5).

Zhang Z, et al. (2024) Therapeutic effects of natural compounds against diabetic complications via targeted modulation of ferroptosis. *Frontiers in pharmacology*, 15, 1425955.