

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: atlas, data or information resource, knowledge base

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 AT008718;
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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: 20260801T191303+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 19 mentions in open access literature.

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

Fajardo-Hernández CA, et al. (2025) Oxygenated Solanapyrone Analogs From Nigrospora sp. IQ-064, a Mangrove Associated Fungus. Chemistry & biodiversity, 22(12), e01912.

?cigaczewska 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.

Ragozzino C, et al. (2025) Last Decade Insights in Exploiting Marine Microorganisms as Sources of New Bioactive Natural Products. Marine drugs, 23(3).

Oppong-Danquah E, et al. (2025) Bioprospecting cultivable bacteria associated with deep sea (mesopelagic) fish of the North Atlantic Ocean. *Natural products and bioprospecting*, 15(1), 42.

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.

Meijer D, et al. (2025) Empowering natural product science with AI: leveraging multimodal data and knowledge graphs. *Natural product reports*, 42(4), 654.

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.

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.

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.

Zhao H, et al. (2024) Overlooked Vital Role of Persistent Algae-Bacteria Interaction in Ocean Recalcitrant Carbon Sequestration and Its Response to Ocean Warming. *Global change biology*, 30(11), e17570.

Wu S, et al. (2024) Multi-omic analysis tools for microbial metabolites prediction. *Briefings in bioinformatics*, 25(4).

Gadaleta D, et al. (2024) Comprehensive benchmarking of computational tools for predicting toxicokinetic and physicochemical properties of chemicals. *Journal of cheminformatics*, 16(1), 145.

Androutsos L, et al. (2024) Predicting multiple taste sensations with a multiobjective machine learning method. *NPJ science of food*, 8(1), 47.

Gadaleta D, et al. (2024) Quantitative structure-activity relationships of chemical bioactivity toward proteins associated with molecular initiating events of organ-specific toxicity. *Journal of cheminformatics*, 16(1), 122.

Łęgiszczyńska A, et al. (2024) Morphological-metabolic analysis in *Streptomyces rimosus* microparticle-enhanced cultivations (MPEC). *Bioprocess and biosystems engineering*, 47(6), 891.

Alvarez-Sánchez ME, et al. (2024) Modified peptides and organic metabolites of cyanobacterial origin with antiparasitic properties. *International journal for parasitology. Drugs and drug resistance*, 24, 100530.

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

Cao PY, et al. (2024) Group graph: a molecular graph representation with enhanced performance, efficiency and interpretability. *Journal of cheminformatics*, 16(1), 133.