

# 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, atlas, 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,

**Funding:** NSERC Discovery ;  
NCCIH U41 AT008718;  
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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:** 20260731T043205+0000

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## Ratings and Alerts

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

No alerts have been found for Natural Products Atlas.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 19 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

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.

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.

- Ragozzino C, et al. (2025) Last Decade Insights in Exploiting Marine Microorganisms as Sources of New Bioactive Natural Products. *Marine drugs*, 23(3).
- 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.
- Gadaleta D, et al. (2024) Comprehensive benchmarking of computational tools for predicting toxicokinetic and physicochemical properties of chemicals. *Journal of cheminformatics*, 16(1), 145.
- 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).
- 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.
- Alvarez-Sánchez ME, et al. (2024) Modified peptides and organic metabolites of cyanobacterial origin with antiplasmodial properties. *International journal for parasitology. Drugs and drug resistance*, 24, 100530.
- Łęgiszczyńska A, et al. (2024) Morphological-metabolic analysis in *Streptomyces rimosus* microparticle-enhanced cultivations (MPEC). *Bioprocess and biosystems engineering*, 47(6), 891.
- 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.