Resource Summary Report

Generated by NIF on May 4, 2025

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,

Funding: NSERC Discovery ;
NCCIH U41 AT008718;
NIGMS R01 GM125943;
NCCIH F31 AT010098;
NCI F31 CA236237;
NCCIH T32 AT007533;

NIH D43 TW010530;
NSF ;
BBSRC ;
Carnegie Trust for the Universities of Scotland ;
Netherlands eScience Center ;
Sao Paulo Research Foundation ;
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: 20250503T061215+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 11 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

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.

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.

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

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.

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

?cigaczewska 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 antiplasmodial 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.

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

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.

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