

WILEY

Wiley Identifier of Natural Products

(AntiBase Library + ChemWindow®)



For compound screening & other applications in natural compound research

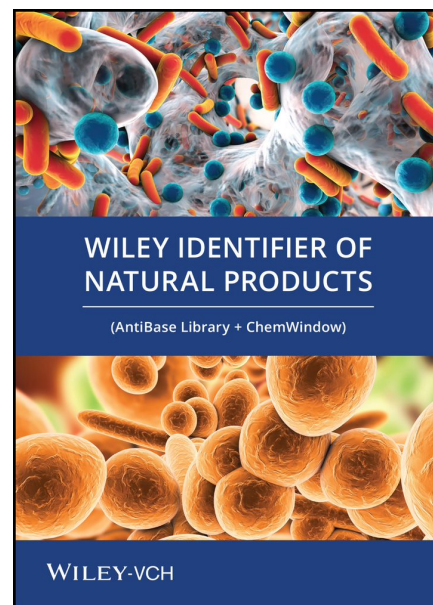
The **Wiley Identifier of Natural Products** (AntiBase Library + ChemWindow®) is a comprehensive natural products database of more than **58,000 compounds**.

Originally developed by Dr. Hartmut Laatsch, this growing database is an effective **screening tool for metabolomics and drug discovery** where natural products and derivatives can accelerate treatments in areas like cancer, diabetes, disease, and antimicrobial or antifungal research.

It can be utilized in **high-throughput screening (HTS)** and **de-replication** workflows for rapid compound identification to quickly identify compounds which have already been studied and narrow down possible novel compounds having antimicrobial or desired effects.

It can also be used throughout various industries such as **food & cosmetics**, **agriculture**, **pesticides**, and other applications where natural products are prevalent or in **academic programs and research**.

And because it's from Wiley, you know it's quality scientific data!



Key Features:

- **Data-Rich Property Fields:** In addition to chemical structure, valuable metadata is included for each record where available.
 - **Compound Properties** - molecular formula, mass, composition, class, geo-location
 - **Physico-Chemical Data** - melting point, optical rotation
 - **Biological Activity Data**
 - **Spectroscopic Data** - IR, HRMS, MS, UV, HNMR plus high-quality predicted C-13 NMR data generated using Wiley's proprietary NMR spectrum prediction algorithm
 - **Related References** - direct DOI literature link, Human Metabolome Database (HMDB)
- **Carefully Curated and Verified Data:** Data collected from primary and secondary literature; then carefully checked and validated with key references and sources provided as a data field.
- **Now Includes Wiley's ChemWindow® Software:** Search the entire AntiBase data collection using ChemWindow's advanced data search and mining features. Also includes sophisticated tools for structure drawing, reporting, and building your own databases.

What's New in the 2023 Release

- Over 5,000 new compounds added for expanded natural product coverage
- Human Metabolome Database (HMDB) IDs now hyperlinked
- SMILES strings added
- Synonyms now appear in separate field



Applications

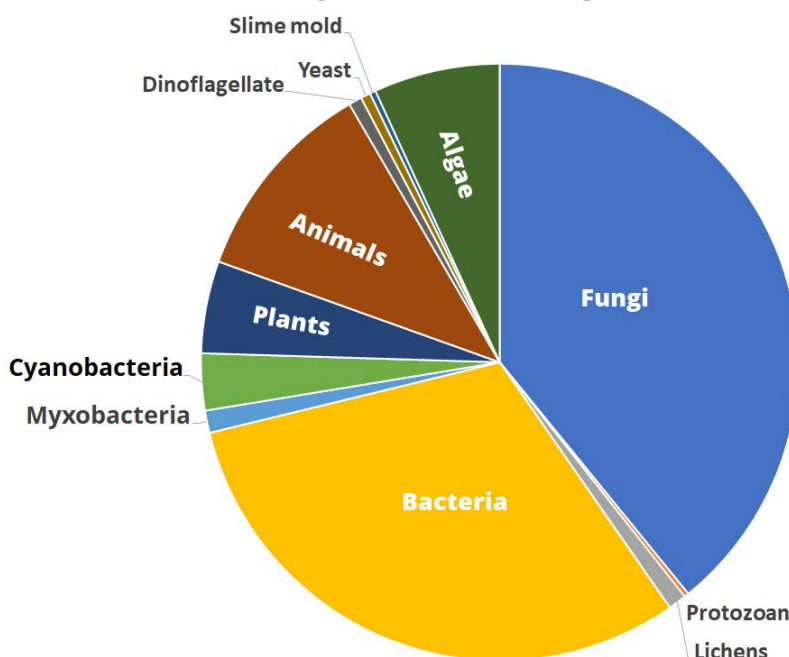
- Pharma / Biotech
- Drug Discovery
- Metabolomics
- Food & Cosmetics
- Agriculture
- Pesticides
- Antimicrobial, Anticancer, Antifungal R&D
- University Research & Education



Library Specifications

- Natural Product Compounds: **58,849**
- Chemical Structures: **56,000**
- Compound Classification Data: **21,911**
- Source/Origin Data: **55,786/9,904**
- Biological Activity Data: **32,147**
- Literature References: **58,179**
- Optical Rotation (OR) Values: **15,658**
- Melting Point Data: **6,965**
- HMDB References: **1,724**
- IR Spectral Data: **10,906**
- H-NMR Data: **2,212**
- C-NMR Data: **41,812**
- UV Data: **16,613**
- MS Data: **8,310**

6]c`c[]W`Gci fWgcZ7ca dci bXg



Compatibility

For instrument / software compatibility, go to <http://sciencesolutions.wiley.com/compatibility>



Ordering Information

Wiley Identifier of Natural Products (AntiBase Library + ChemWindow Software)

Available as a one-year subscription

- ISBN: 978 EALDB0 4188
- RENEWAL ISBN: 978 EALDB0 5529



Trusted Data from a Trusted Source

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