



AntiBase: The Natural Compound Identifier

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DVD

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DESCRIPTION

AntiBase is a comprehensive compilation of natural products, featuring properties of more than 43,700 compounds.

AntiBase provides researchers with a convenient way of checking if a compound with antimicrobial effects has already been studied, and also provides insights into biological activity correlated to structural information. Antimicrobial activity is a key feature in translational and precision medicine, making *AntiBase* an indispensable tool for emerging genomic and metabolomic research. This library compares published data from literature with experimental values from the user by using a dragnet search.

AntiBase includes compound property (molecular formula, mass, elemental composition, compound class), physico-chemical (melting point, optical rotation) and spectroscopic data (UV, ¹³C-NMR, IR, HRMS and mass spectra). Data has been collected from the primary and secondary literature, and then carefully checked and validated with most key references and source information provided as a data field.

A unique feature of *AntiBase* is access to predicted ¹³C-NMR spectra for those compounds where no measured spectra are available. As an NMR shift search can easily be combined with a substructure search, this spectral data further enhances the power of *AntiBase* to easily differentiate between similar compounds. The predicted NMR spectra have been produced by Wiley's proprietary NMR spectrum prediction algorithm and are of high quality.

***AntiBase* is available in the following formats:**

- ISIS Base (MDL/Biovia/Chemaxon)

- PerkinElmer (Cambridgesoft) Chemfinder

Other formats (inquire with your sales representative) include:

- Bio-Rad ChemWindow
- Agilent PCDL (MassHunter, in beta)

Specifications of AntiBase:

- Natural Product Compounds: 43,743
- Chemical Structures: 41,052
- C-NMR spectra data: 40,769
- IR spectra data: 2,098
- Compound classification data: 10,227
- Source/Origin data: 41,307
- H-NMR spectra data: 629
- HRMS values for ion types (-H, +H, +Na): 41,048
- Optical Rotation (OR) values: 7,119
- Melting point data: 5,566

To purchase this product, please visit <https://www.wiley.com/en-us/9783527343591>