

# Microbiological Data Collections

## AntiBase 2007 – the natural compound identifier

AntiBase 2007 is a vividly growing database of presently more than 33,700 natural compounds from microorganisms, higher fungi, algae, and dinoflagellates. Included are also naturally occurring carotenoids and quinones from many other sources. The data in AntiBase 2007 have been collected from the primary and secondary literature and were then carefully checked and validated.

Included in the database are: descriptive data (molecular formula and calculated high resolution molecular masses, elemental composition, CAS registry number); physico-chemical data (melting point, optical rotation); spectroscopic data (UV, <sup>13</sup>C-NMR, IR and mass spectra); biological data (pharmacological activity, toxicity); information on origin and isolation; and a summary of literature sources.

For those compounds where no measured spectra were inserted so far, the 2007 edition of AntiBase utilizes predicted <sup>13</sup>C-NMR spectra produced by SpecInfo, the spectrum prediction program of Wiley.

The data are handled with the database program Scidex, which includes a structure editor, but drawing tools like ISIS/Draw or Chemdraw can also be used to draw structure or substructure queries. Other features included in AntiBase 2007 are: structure and substructure search capabilities, also combined with shift or stereochemistry searches; physical and biological data search; similarity searches, ring size etc. A feature search enables the natural product chemist to identify given compounds as already been isolated and stored in the database.

Edited by Hartmut Laatsch of the University of Göttingen, Germany, AntiBase 2007 updates previous editions of the database and substitutes the previous ISIS versions with the novel Scidex platform.

AntiBase 2007 is available only in the Scidex format, however, an ISIS version with restricted capabilities (no structure-sensitive shift search) can be delivered on request for previously registered customers or industrial users.

## Price List (January 2007)

ISBN	Title	Compounds	Content	Single User Price €
0471748927	AntiBase 2007	33,700	natural compounds from microorganisms and higher fungi	7,350
	Update 2007			1,470
	Scidex version <b>for academic users*</b>		same as above, however, in the enhanced Scidex format, database program included	2,120

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\* Update prices for academic users on request

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