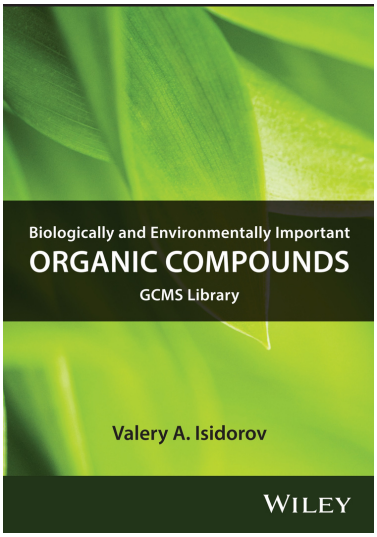
Biologically & Environmentally Important Organic Compounds: GC-MS Library



Accelerate your GC-MS analysis!

This new database from Wiley features **mass spectra** for over **1,800 biologically and environmentally important organic compounds** in the form of their trimethylsilyl derivatives (TMS), along with TMS linear temperature programmed chromatographic retention indices (from 713 to 4700 index units).

A point of special interest is that this library has analytical parameters of previously noninvestigated substances detected by the author's team in plant tissues (for example, phenylpropenoids of sesquiterpenols and glycerides of cinnamic acids). It is the first publication containing analytical parameters of high-boiling compounds such as glycosides, lignans, and phenylpropenoid glycerides with IT values > 4000.

About the Author: *Valery A. Isidorov, Ph.D., Dr. Sci. is a Professor at Bialystok University of Technology, Poland, specializing in analytical chemistry, environmental chemistry, and the chemistry of natural products.*

Additional Features:

- **Many Compounds Never-Before Characterized by Mass Spec** - More than 60% of compounds not previously characterized by their mass spectra; more than 70% not previously characterized by RI values. Some of these compounds, never before analysed via MS and GC, were detected by the author's team in plant tissues.

- **Data-Rich Property Fields -** Along with their linear programmed RI and mass spectra, records include fields such as CAS number, molecular and structural formula, formula weight, chemical name and synonyms, source of compound used for registration of spectrum and IT value.

- **Incorporate into GC or GC-MS Analysis Streams** – Investigators dealing with complex mixtures of organic compounds can easily incorporate this database into their analysis streams for identification, classification, or screening.

https://sciencesolutions.wiley.com

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Applications

- Environmental Chemistry
- Food, Flavors, Fragrances
- Medicinal Chemistry
- Natural Products
- Pharmaceutical & Biotech
- Phytochemical Analysis

Library Specifications

- Spectra - 1,926
- Structures - 1,926
- Unique Compounds - 1,668

Compatibility

For instrument compatibility, visit sciencesolutions.wiley.com/compatibility

Compound Coverage

Compound coverage can be searched at www.compoundsearch.com

Ordering Information

Biologically & Environmentally Important Organic Compounds: GC-MS Library
ISBN: 978-1-119-60170-8