LIPIDS Mass Spectral Database

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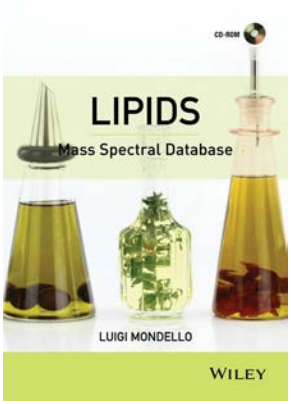

Extensively validated to ensure positive lipid identification

The *Lipids Mass Spectral Database* contains 430 GC mass spectra registered from a pure standard and categorized into 11 classes of lipids. The database provides significant support for peak assignment in complex mixtures, making it a valuable tool in many research areas such as food analysis and clinical and medical applications.

Over 1,400 Linear Retention Index (LRI) values for the 430 lipid-like molecules, experimentally calculated for each standard under repeatable chromatographic conditions and using three different stationary phases, namely SLB-5ms, Equity-1, and Supelcowax-10 (Supelco). LRI were also calculated using different reference mixtures, namely alkanes, fatty acid methyl esters (FAMEs), and fatty acid ethyl esters (FAEEs). Additional component information such as CAS number, common name, systematic name, nominal mass (as Mol Wt.), compound formula, chemical class, and suppliers of the standards are also included.

Specifications

- Spectra: 430
- Structures: 430
- Unique Compounds: 428
- LRI Values: > 1,400
- Classes of lipids: 11

Compatibility

Agilent ChemStation, MassHunter, OpenLab
Bruker MS Workstation
Chromatec Analytic
JEOL msFineAnalysis
LECO ChromaTOF
NIST MS Search
PerkinElmer TurboMass
Scion MS Workstation
Thermo Chromeleon, TraceFinder, Xcalibur
Waters MassLynx
ACD/Labs ACD/Spectrus Processor*
Bio-Rad KnowItAll®*
Wiley Spectra Lab*

*Subscription required

A version in the Shimadzu GCMSsolution format is available directly from Shimadzu.

Ordering Information

LIPID Mass Spectral Database
DVD-ROM ISBN: 978-1-119-28938-8

https://sciencesolutions.wiley.com

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