



Max-Planck-Innovation

Technology Offer

Comprehensive metabolome database for GC/MS profiling studies.

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Technology

Scientists from the Max-Planck-Institute of Molecular Plant Physiology in Golm have developed a database of mass spectral and retention index data of authenticated reference substances which originate from research at the institute. The Golm Metabolome Database (GMD) facilitates the search for and dissemination of reference mass spectra from biologically active metabolites quantified using gas chromatography (GC) coupled to mass spectrometry (MS). Started in 2005, the GMD has compiled one of the most comprehensive libraries of metabolomic references. The database was customized to the specific needs of GC-MS based approaches of metabolite identification and is fully supported and backed-up by a relational database management system. Besides a reference spectra look-up, the GMD has a chemical compound identification part and a prediction tool for unknown mass spectra.

More information to the Golm Metabolome Database can be found at

<http://gmd.mpimp-golm.mpg.de/>