

Mass Spectra of Physiologically

Active Substances –

including drugs, steroid hormones, and endocrine disruptors 2011

M.K. Parr, G. Opfermann, W. Schänzer
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Content

Steroids are of considerable therapeutic importance and play a substantial role in endocrinology, a medicine branch dealing with disorder of the endocrine system, an integrated system of small organs that involve the release of extracellular signaling molecules known as hormones. On the other hand, steroids are increasingly being abused for performance enhancement by professional athletes, Olympians and even amateurs. The identification of small amounts of steroids in body fluids is an analytical challenge. GC/MS is one of the key analytical techniques applied in these areas. For the fast and reliable identification of steroids, mass spectral reference data are essential.

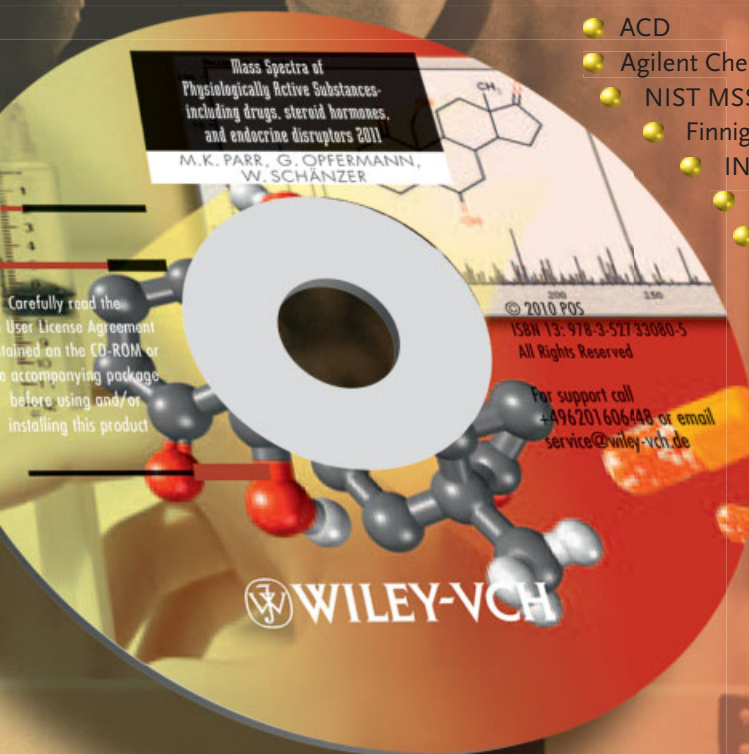
This collection has been expanded in collaboration with the institute of Biochemistry, German Sport University Cologne, and now contains 4.182 mass spectra and chemical structures of androgens and estrogens and their trimethylsilyl-, O-methoxyoxime- and acetal derivatives. Most spectra have been obtained on the same mass spectrometer under identical conditions. The data records include chemical name, chemical structure, molecular formula, and synonyms.

Available Database Formats

- ACD
- Agilent Chemstation
- NIST MSSEARCH
- Finnigan GCQ, SSQ, TSQ, ICIS, ITS40, Magnum
- INCOS
- PerkinElmer TurboMass
- Shimadzu QP-5000
- Thermo Galactic SpectralID
- Varian Saturn
- VG Labbase, Masslab
- Waters Masslynx
- Xcalibur

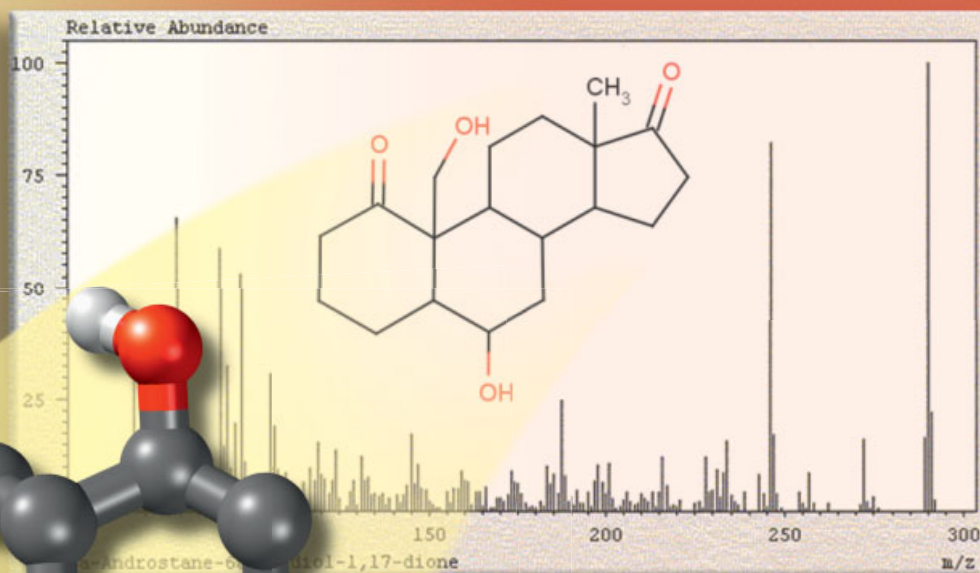


The must-have in endocrinology,
doping control and
Clinical Toxicology



Additional Information

4.182 IUPAC names + about 8.000 synonyms
The average mass spectral peak number is 145.



After purchase of the data collection you will receive an instrument manufacturer specific installation key.

For further information please contact:

Dr. Reinhard Neudert

Phone: +49 (0)6201 606 434

Fax: +49 (0)6201 606 328

Email: stmdata@wiley-vch.de

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