

ATR-IR - Sadtler Steroids, Androgens, Progestins, & Estrogens - Wiley

Spectra - 305

Wiley is the leading producer of IR and Raman spectral databases with their Sadtler Spectral Databases, known for their high-quality.

Description

This Sadtler database contains infrared spectra compiled specifically to present compounds containing this class of compounds and reflect the latest products available on the market and show the diversity of the market place.

This collection can be used by forensic labs as well as testing labs who are interested in the identification of steroids by infrared spectroscopy.

Additional Information

Each compound in this database is identified by its chemical name, method of analysis, structural formula, molecular formula, and molecular weight. Synonyms, melting point, boiling point, references, and comments are also included if available.

Technique

All spectra were measured on a Bio-Rad FTS-175C Fourier Transform Infrared Spectrometer equipped with KBr beam splitter and a peltier cooled DTGS detector. A Smiths Detection DuraSampIR™ II Diamond ATR Accessory, an in-compartment diamond attenuated total reflectance accessory, was used to produce the ATR spectra.

The ATR technique is employed because only a small amount of sample is needed while minimal sample preparation is required. The samples were analyzed using the Neat or Film method and the solvent used in the film is methylene chloride. Sometimes the samples were ground to improve the display of the ATR spectrum.

This collection has been subject to the Sadtler Data Review Protocol™ to provide you with the highest standard in spectral data today. These rigorous qualifying procedures start at data acquisition and continue throughout the database development process.