

The Biomarker Catalogue



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Pharmaceutical and forensics



The collection of reference standards
- 2008 -





Chapter III-4: Pharmaceuticals and forensics

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Pharmaceuticals and forensics

For details, see the Compounds section, pages 388-411.

Pharmaceutical reference standards

In order to meet the requirements of the different pharmacopeias, Chiron is now offering traceable chemical reference substances (CRMs) for pharmaceuticals analysis.

Impurities of pharmaceutical products

Common impurities as defined by international pharmacopeias, and in particular the EP (European Pharmacopeia) are now available. The products are carefully analysed for identity and purity, and a certificate is supplied for each product.

Pharmaceutical and forensic metabolites reference standards

As a new project, Chiron now offers metabolites of common pharmaceuticals and forensic drugs. Such products are important in drug development as well as the surveillance of the pharmaceutical level in patients.

Chiron has developed and possesses proprietary technology for production of sulphates and glucuronide metabolites of alcohols and amines, and custom synthesis inquiries are welcome.

With the access to parent narcotics on commercial scale, Chiron can now offer standards for important drugs as well as their important metabolites. Drug consumption analysis is important in order to control drug use among patients and the abuse of restricted narcotics.

Narcotics – controlled substances

Several of the listed compounds are subject to narcotics legislation. This means that import and export documentation is required. Please consult your local distributor or contact Chiron for help.

Nicotins

Chiron now offers solutions of native and labelled standards for common nicotine derivatives, including cotine, anatabine, and many others. Please contact us for any products you may not find in our catalogue.

GC-IRMS standards for sports, forensic and geochemical applications

The isotope ratio C12/C13 is individual from sample to sample and is a useful tool for the identification of the origin of different matters.

Misuse of synthetic steroids can be determined this way, as well as policing possible mixing of natural and synthetic natural products.

The isotope ratio changes with the age of the material, and is therefore used in geochemical determinations.

For such application Chiron offers reference standards with an established C12 / C13 ratio. The Chiron standards are straight hydrocarbons from C11 to C40. Others, like several steroids, will be offered. Please inquire or let us know your suggestions.