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Briefs

Gas Chromatographic–Mass Spectrometric Determination of Etorphine with Stable Isotope Labeled Internal Standard

269

Etorphine, a potent synthetic analgesic, is determined in concentrations as low as 2 ng/mL in urine with errors of about 0.1 ng/mL.

Satya P. Jindal,* Theresa Lutz, and Per Vestergaard, Rockland Research Institute, Orangeburg, N.Y. 10962

Anal. Chem., 51 (1979)

Hydroxyl Ion Negative Chemical Ionization Mass Spectra of Steroids

272

The spectra are simple and might serve as a basis for analysis of steroids.

T. A. Roy and F. H. Field,* The Rockefeller University, New York, N.Y. 10021, and Yong Yeng Lin and Leland L. Smith, The University of Texas Medical Branch, Galveston, Tex. 77550

Anal. Chem., 51 (1979)

High Sensitivity, Continuous Flow Thermochemical Analyzer

278

Small (120 μ L) samples of HCl, Ca, and nitrite are analyzed by a flow thermal detector at a throughput of 60 samples/h with a precision of 1–3%.

Richard S. Schifreen, Carolyn Sue Miller, and Peter W. Carr,* Department of Chemistry, University of Minnesota, Minneapolis, Minn. 55455

Anal. Chem., 51 (1979)

Liquid Chromatographic–Fluorometric System for the Determination of Indoles in Physiological Samples

283

Several important indolic tryptophan metabolites are determined in cerebrospinal fluid, brain, plasma, and urine with absolute detection limits of 5–22 pg.

George M. Anderson* and William C. Purdy, Department of Chemistry, McGill University, Montreal, Quebec, Canada

Anal. Chem., 51 (1979)

Dual Wavelength Spectrophotometric Detector for High Performance Liquid Chromatography

287

Differentiation of structural related compounds in serious overlapping elution peaks is demonstrated.

Kuang-Pang Li* and John Arrington, Department of Chemistry, University of Florida, Gainesville, Fla. 32611

Anal. Chem., 51 (1979)

Analysis of Gasoline for Antiknock Agents with a Hydrogen Atmosphere Flame Ionization Detector

292

Detection limits are calculated to be 7.2×10^{-12} g/s of Pb and 1.7×10^{-14} g/s of Mn in leaded and unleaded gasoline.

M. D. DuPuis and H. H. Hill, Jr.,* Department of Chemistry, Washington State University, Pullman, Wash. 99164

Anal. Chem., 51 (1979)