

# MICROGRAM BULLETIN

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## SELECTED REFERENCES

The Selected References section is a compilation of recent publications of presumed interest to forensic chemists. Unless otherwise stated, all listed citations are published in English. Abbreviated mailing address information duplicates that which is provided by the abstracting service. Patents and Proceedings are reported only by their Chemical Abstracts citation number. For full text copies of any of the articles listed, you may email the DEA Library at [dea.library@usdoj.gov](mailto:dea.library@usdoj.gov).

1. Blachut D, Wojtasiewicz K, Krawczyk K, Maurin J, Szawkalo J, Czarnocki Z. **Identification and synthesis of by-products found in 4-methylthioamphetamine (4-MTA) produced by the Leuckart method.** *Forensic Science International* 2012;216(1-3):108-120. [Editor's Notes: Presents title study. Contact: Forensic Laboratory, Internal Security Agency, 02-134 Warsaw, Poland.]
2. Blachut D, Szawkalo J, Czarnocki Z. **Identification of common impurities present in the synthetic routes leading to 4-methylthioamphetamine (4-MTA). Part II: Reductive amination and nitropropene route.** *Forensic Science International* 2012;217(1-3):60-70. [Editor's Notes: Presents title study. Contact: Forensic Laboratory, Internal Security Agency, 02-134 Warsaw, Poland.]
3. Dziadosz M, Weller JP, Klintschar M, Teske J. **Scheduled multiple reaction monitoring algorithm as a way to analyse new designer drugs combined with synthetic cannabinoids in human serum with liquid chromatography-tandem mass spectrometry.** *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences* 2013;929:84-89. [Editor's Notes: Presents title study. Contact: Institute of Legal Medicine, Hannover Medical School (MHH), Hannover D-30625, Germany.]
4. Edmunds R, Locos O, Brown D, Reynolds D. **Identification of the synthetic cannabinoid (1-(cyclohexylmethyl)-1H-indol-3-yl)(4-methoxynaphthalen-1-yl)methanone on plant material.** *Microgram Journal* 2013; 10(1):3-7. [Editor's Notes: Presents title study. Contact: Illicit Drugs Section, Forensic Science Laboratory, ChemCentre, Bentley WA 6893, Australia.]
5. Salouros H, Collins M, Cawley A, Longworth M. **Methylamphetamine synthesis: Does an alteration in synthesis conditions affect the  $\delta^{13}\text{C}$ ,  $\delta^{15}\text{N}$  and  $\delta^3\text{H}$  stable isotope ratio values of the product?** *Drug Testing and Analysis* 2012;4(5):330-336. [Editor's Notes: Presents title study. Contact: National Measurement Institute, Sydney, Australia.]
6. Harrison CR. **Role of Capillary Electrophoresis in the Fight Against Doping in Sports.** *Analytical Chemistry* 2013;85(15):6982-6987. [Editor's Notes: Presents title study. Contact: Department of Chemistry and Biochemistry, San Diego State University, 5500 Campanile Drive, San Diego, CA 92182, USA.]
7. Meyer MR, Bach M, Welter J, Bovens M, Turcant A, Maurer HH. **Ketamine-derived designer drug methoxetamine: Metabolism including isoenzyme kinetics and toxicological detectability using GC-MS and LC-(HR-)MS<sup>n</sup>.** *Analytical and Bioanalytical Chemistry* 2013;405(19):6307-6321. [Editor's Notes: Presents title study. Contact: Department of Experimental and Clinical Toxicology, Institute of Experimental and Clinical Pharmacology and Toxicology, Saarland University, Homburg/Saar 66421, Germany.]
8. Meyer MR, Prosser D, Maurer HH. **Studies on the metabolism and detectability of the designer drug  $\beta$ -naphyrone in rat urine using GC-MS and LC-HR-MS/MS.** *Drug Testing and Analysis* 2013;5(4):259-265. [Editor's Notes: Presents title study. Contact: Department of Experimental and Clinical Toxicology, Institute of Experimental and Clinical Pharmacology and Toxicology, Saarland University, Homburg/Saar 66421, Germany.]
9. Pedersen AJ, Dalsgaard PW, Rode AJ, Rasmussen BS, Mueller IB, Johansen SS, Linnet K. **Screening for illicit and medicinal drugs in whole blood using fully automated SPE and ultra-high-performance liquid chromatography with TOF-MS with data-independent acquisition.** *Journal of Separation Science* 2013;36(13):2081-2089. [Editor's Notes: Presents title study. Contact: Department of Forensic Medicine, Faculty of Health Sciences, Section of Forensic Chemistry, University of Copenhagen, Denmark.]

7. Tedesco D, Di Pietra AM, Rossi F, Garagnani M, Del Borrello E, Bertucci C, Andrisano V. **Determination of dextromethorphan and levomethorphan in seized heroin samples by enantioselective HPLC and electronic CD.** Journal of Pharmaceutical and Biomedical Analysis 2013;81-82:76-79. [Editor's Notes: Presents title study. Contact: Department of Pharmacy and Biotechnology, University of Bologna, 40126 Bologna, Italy.]