Full Paper _____ *Thematic Section:* Biochemical Research.
Registration Code of Publication: 14-37-2-114 *Subsection:* Analytical Chemistry.
Publication is available for discussion in the framework of the on-line Internet conference "*Butlerov readings*".
http://butlerov.com/readings/
Contributed: March 24, 2014.

Identification of PB-22F cannabimimetics' metabolites in urine

© **Sergey S. Kataev**,[1+] and **Oksana N. Dvorskaya**[2]*
[1] *Forensic-Chemical Department. State Healthcare Establishment of Special Type "Perm Regional Bureau of Forensic-Medical Expertise". Startseva St., 61. Perm, 614077. Perm Kegion. Russia.*
Phone: +7 (342) 210-67-83. E-mail: forenschemist@narod.ru
[2] *Chair of Toxicological Chemistry. Perm State Pharmaceutical Academy of the Ministry of Health of the Russian Federation. Polevaya St., 2. Perm, 614990. Perm Kegion. Russia.*
Phone: +7 (342) 282-58-64. E-mail: kaftox@mail.ru

*Supervising author; [+]Corresponding author

Keywords: *cannabimimetics, metabolism, enzymic hydrolysis, solid-phase extraction, gas chromatography – mass spectrometry.*

Abstract

Metabolism of quinolin-8-yl-1-(5-fluoropentyl)-1H-indole-3-carboxylate (PB-22F) cannabimimetics is discussed. Identification of PB-22F metabolites in urine of users' smoking mixtures was performed. Gas chromatographic and mass spectrometric characteristics of some PB-22F metabolites derivatives were described. The conclusion of the analytical importance of the main PB-22F metabolites, having a value in the expert practice is given.