

Identification of FUB-PB-22 cannabimimetic metabolites in urine by GC-MC

© 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". Startsev St., 61. Perm, 614077. Perm region. Russia.

Phone: +7 (342) 210-67-83. E-mail: forenschemist@narod.ru

² Department of Toxicological Chemistry. Perm State Pharmaceutical Academy of the Ministry of Health of the Russian Federation. Poleyaya St., 2. Perm, 614990. Perm region. Russia.

Phone: +7 (342) 282-58-64. E-mail: kaftox@mail.ru

*Supervising author; ⁺Corresponding author

Keywords: FUB-PB-22, cannabimimetics, metabolism, enzymic hydrolysis, solid-phase extraction, gas chromatography – mass spectrometry.

Abstract

The metabolism of quinolin-8-yl-1-[(4-fluorophenyl)methyl]-1*H*-indole-3-carboxylate (FUB-PB-22) cannabimimetics is considered. The identification of FUB-PB-22 metabolites in the urine of smoking mixtures consumers was performed. Gas chromatographic and mass spectrometric characteristics of some FUB-PB-22 metabolite derivatives are described. A conclusion is made about analytical significance of metabolites FUB-PB-22, having a value in the expert practice.