

Expert in the study of "designer drugs" on the example of α -pyrrolidinophenone, derived *N*-methylephedrine

© Zhanna R. Estenova,²⁺ Alexey E. Kovalenko,^{2*+}
Natalia V. Andreeva,¹ and Yulia V. Borzova²

¹Expert – criminalistic Department of management of Federal Service Russian Federation on Control Over Drug Trafficking (ECO Management FSKN of Russia) Across the Orenburg Region. Kirov St., 32. Orenburg, 460000. Russia. Phone: +7 (3532) 77-29-11. E-mail: info@56.fskn.ru

²Russian University of Chemical Technology Name after D.I. Mendeleev. Heroev Panfilovcev St., 20. Moscow, 125480. Russia. Phone: +7 (916) 572-96-87. E-mail: aekov@muctr.ru

*Supervising author; +Corresponding author

Keywords: α -pyrrolidinophenone, drugs, chromatography, chromatography-mass-spectrometry, spectroscopy.

Abstract

The analysis of the substances provided by the ECO Management FSKN of Russia across the Orenburg region on the subject of their classification as a derivative of the psychoactive substance *N*-methylephedrine. For identification of the analyzed substances used the methods of chromato-mass-spectrometry and IR-spectroscopy. Received information about the identification of chemical substances, both simple and complex mixtures.