© Alexei E. Kovalenko,^{1,2}* Dmitry A. Kardonsky,^{1,2} Alexander A. Eganov,^{1,2} Olga G. Stepanova,² Svetlana V. Shestakova,² and Irina I. Pleshakova²⁺

¹Research Institute of Pharmacy of the I.M. Sechenov First Moscow State Medical University.

Development of gas chromatographic method for the determination of tri-*n*-butyl phosphate in antihemophilic preparations

The article is published on the materials of the report to the Scientific and Practical Conference "New Chemical-

Publication is available for discussion in the framework of the on-line Internet conference "Butlerov readings".

Novocheremushkinskava St., 45. Moscow, 117418. Russia.

Phone: +7 (499) 128-33-92. E-mail: aekov@muctr.ru

² Department of Expertise in Drug and Drug Control. Mendeleev University of Chemical

Technology of Russia. Panfilov Heroes St., 20. Moscow, 125480. Russia.

Phone: +7 (495) 495-24-26. *E-mail: pleshakova.11@bk.ru*

*Supervising author; ⁺Corresponding author

Registration Code of Publication: 14-38-4-79

Pharmaceutical Technologies" held in May 28, 2014 at D.I. Mendeleev RCTU.

Keywords: antihemophilic drugs, tri-n-butyl phosphate, solid phase extraction, gas chromatgraphy.

Abstract

A simple and reliable method for the quantitative determination of tri-*n*-butyl phosphate in finished dosage forms of medicines derived from human plasma was developed. Tri-n-butyl phosphate is isolated from FDF by solid phase extraction and analyzed by gas chromatography with flame ionization detection (GC/FID). Quantitative determination of tri-*n*-butyl phosphate is carried out using tri-*n*-pentilfosfat as internal standard.

http://butlerov.com/readings/ Contributed: July 18, 2014.

Thematic Section: Pharmacological Research Subsection: Gas Chromatography.