Full Paper	Thematic Section: Interrelation «Structure-Activity».
Registration Code of Publication: 10-23-15-38	Subsection: Pharmacology.
Publication is available for discussion in the Internet as a material of "All-Russian Working	
Chemical Conference "Butlerov's Heritage-2011". http://butlerov.com/bh-2011/	

Contributed to editorial board: December 18, 2010.

Synthesis and study of pharmacological activity of cycvalone analogues in dosage forms

© Ashot V. Simonyan, Svetlana V. Kulagina, Natal'ya S. Dronova, Marine A. Simonyan,*

Andrey Yu. Getmanenko, and Tat'yana V. Agarkova

Department of pharmaceutical technology and biotechnology. Volgograd state medical university. KIM St., 20. Volgograd, 400001. Russia. Phone: +7 (8442) 97-50-66. E-mail: f-technology@yandex.ru

Keywords: cycvalone, pharmacopeic activity, prediction, experimental studies, tests in vitro u in vivo.

Abstract

We have considered new types of cycvalone pharmacological activity, which were predicted on the basis of patterns of structure-activity intercommunication. It is shown that cycvalone, along with the strong antioxidant and antiradical activity has gastroprotective, hypolipidemic, immunotropic and wound-healing effects. Cycvalone had a positive, normalizing and protective effects on individual cells, tissues and organs almost at all investigated abnormalities. It has low toxicity without side effects.

^{*}Supervising author; *Corresponding author