Salicylamides and their salts as potential psychotropic agents

© Anatoly K. Brel,* Svetlana V. Lisina,⁺ and Julia N. Salomatina

Chemistry Department. Volgograd State Medical University. Pavshikh Bortsov Square, 1. Volgograd-131, Russia. Phone: +7 (8442) 38-43-13. E-mail: svlisina@gmail.com

*Supervising author; ⁺Corresponding author Keywords: salicylic acid, N-substituted salicylamides, glycine, gamma-aminobutyric acid (GABA), psychotropic activity, toxicity, LD₅₀.

Abstract

Amides of salicylic acid have been synthesized by N-acylation of amino acids with salicyl chloride. Effects of solvent and base on yield have been monitored. The composition of synthesized products has been proved with the help of ¹H NMR spectroscopy. The psychotropic activity, acute toxicity of some synthesized compounds have been studied.