STRUCTURE AND BIOLOGICAL EVALUATION OF (E)-5-BROMO-2-METHOXY-4-((PHENYLIMINO)METHYL)PHENOL DERIVATIVES AS ANTIBACTERIAL AGENTS

W. Zhou, J. Ma, R.-J. Yuan, X. Han, H.-G. Liu, and H.-L. Zhu

UDC 541.6:548.737

Three (*E*)-5-bromo-2-methoxy-4-((phenylimino)methyl)phenol derivatives (**1-3**) are synthesized and characterized by elemental analysis and single-crystal X-ray diffraction. The antibacterial activities of compounds **1-3** against *Escherichia coli*, *Pseudomonas aeruginosa*, *Bacillus subtilis*, *and Staphylococcus aureus* are evaluated by the MTT method.

DOI: 10.1134/S0022476615020201

Keywords: vanillin derivatives, Schiff base, crystal structure, antibacterial activity.