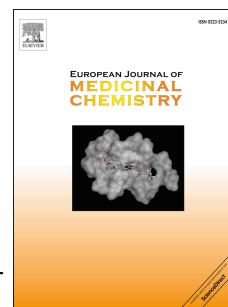


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Graphical Abstract

Novel aminopyrimidinyl benzimidazoles as potentially antimicrobial agents: Design, synthesis and biological evaluation

Han-Bo Liu, Wei-Wei Gao, Vijai Kumar Reddy Tangadanchu[†], Cheng-He Zhou^{*} and Rong-Xia Geng^{*}

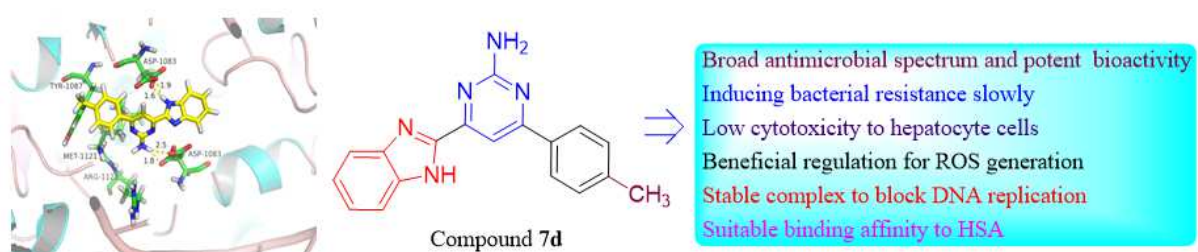
Institute of Bioorganic & Medicinal Chemistry, Key Laboratory of Applied Chemistry of Chongqing Municipality, School of Chemistry and Chemical Engineering, Southwest University, Chongqing 400715, China;

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A series of novel aminopyrimidinyl benzimidazoles were synthesized and screened for their antimicrobial activities. Molecular modeling and experimental investigation with DNA suggested the possible antibacterial mechanism.



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