Accepted Manuscript

Design and synthesis of novel 1*H*-tetrazol-5-amine based potent antimicrobial agents: DNA topoisomerase IV and gyrase affinity evaluation supported by molecular docking studies

Daniel Szulczyk, Michał A. Dobrowolski, Piotr Roszkowski, Anna Bielenica, Joanna Stefańska, Michał Koliński, Sebastian Kmiecik, Michał Jóźwiak, Małgorzata Wrzosek, Wioletta Olejarz, Marta Struga

PII: S0223-5234(18)30597-X

DOI: 10.1016/j.ejmech.2018.07.041

Reference: EJMECH 10576

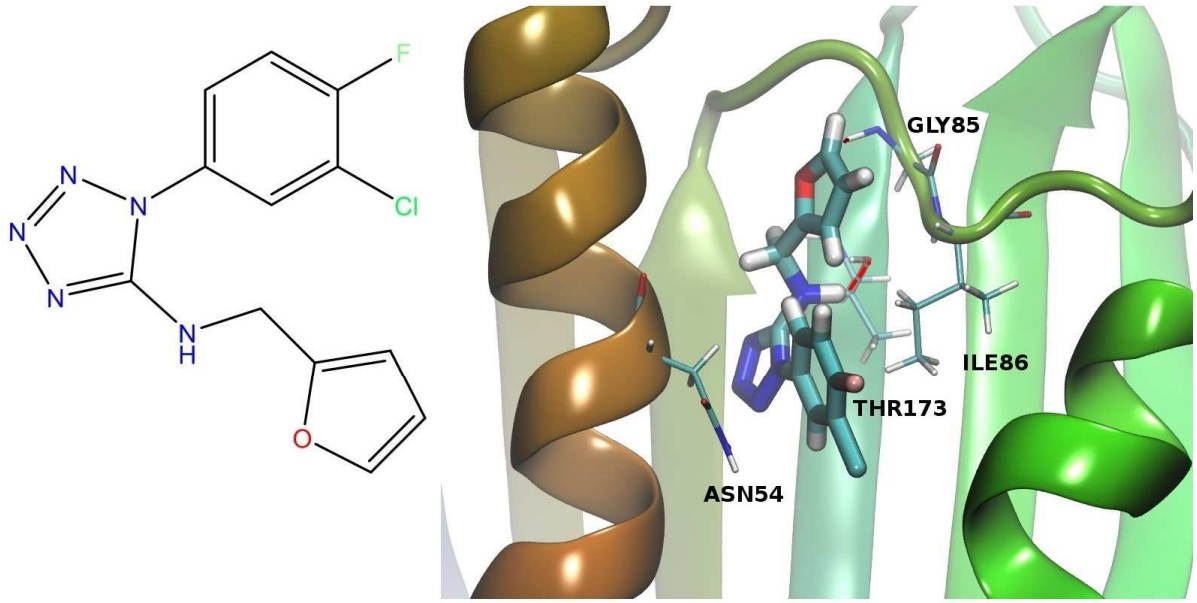
To appear in: *European Journal of Medicinal Chemistry*

Received Date: 4 March 2018

Revised Date: 11 July 2018

Accepted Date: 15 July 2018

Please cite this article as: D. Szulczyk, Michał.A. Dobrowolski, P. Roszkowski, A. Bielenica, J. Stefańska, Michał. Koliński, S. Kmiecik, Michał. Jóźwiak, Mał. Wrzosek, W. Olejarz, M. Struga, Design and synthesis of novel 1*H*-tetrazol-5-amine based potent antimicrobial agents: DNA topoisomerase IV and gyrase affinity evaluation supported by molecular docking studies, *European Journal of Medicinal Chemistry* (2018), doi: 10.1016/j.ejmech.2018.07.041.



Compound **11** was more potent to Ciprofloxacin against standard strains *E. faecalis, M. luteus, E. coli, P. vulgaris* (MIC 1 - 7 μM).