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## QSARs of some novel isosteric heterocyclic with antifungal activity

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ABSTRACT. QSAR analysis of a set of 2,5,6-trisubstituted benzoxazoles, benzimidazoles and 2substituted oxazolo(4,5-b)pyridines, tested for growth inhibitory activity against Candida albicans, was performed by using a multiple regression procedure. The activity contributions for either heterocyclic ring systems or substituent effects of these compounds were determined from the correlation equations and the lead optimization is described. The obtained QSAR revealed that the oxazolo(4,5b)pyridine ring, substituted by a benzyl moiety at position 2, was the most favorable structure among the heterocyclic nuclei. Moreover, the fifth position in the fused ring system is found more significant than the other positions in rising up the activity.

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