

Pareta LK, Pareta JK, Gaur K, Agarwal P. Synthesis of a novel steroidal heterocyclic as effective antimicrobial agent. *Bull. Pharm. Res.* 2013;3(3):121-4.

Abstract: The introduction of an isoxazole ring system in a steroidal moiety may leads to the formation of drugs of medicinal importance. In view of therapeutic importance of these steroidal heterocycles, we report the synthesis of cholest-4-eno[2,3-*d*]isoxazole from cholesterol. The synthesized compound were screened for their antifungal activity by Serial plate dilution method, using Fluconazole as standard drug against dimorphic fungal strain *C. albicans* and other fungal strain *A. niger* in the concentrations of 25, 50 and 100 $\mu\text{g/ml}$ in DMF (solvent). Synthesized compounds showed good antibacterial activity.

Key words: Oppenauer oxidation, Antifungal activity, Serial plate dilution, Annulation.

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