

## **SYNTHESIS AND ANTITUBERCULAR ACTIVITY OF 2-(1*H*-PYRROL-1-YL)-5-SUBSTITUTED-1,3,4-OXADIAZOLES**

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A series of 2-(1*H*-pyrrol-1-yl)-5-substituted-1,3,4-oxadiazole derivatives were prepared and evaluated for their antitubercular activity. These derivatives were synthesized by the reaction of 5-substituted-1,3,4-oxadiazol-2-amines (**4a-j**) with 2,5-dimethoxytetrahydrofuran in dried acetic acid. Structures of the newly synthesized compounds were confirmed on the basis of physico-chemical and spectral data. All the synthesized compounds were screened for their antitubercular activity using microplate almar blue assay (MABA) method. Compounds have shown moderate to good antitubercular activity against *M. tuberculosis* H<sub>37</sub>Rv microorganism.