Indian Journal of Heterocyclic Chemistry
Vol. 25,July-Sept., 2015, pp. 31-36

SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF NOVEL 2,5-DIMETHYL PYRROLYL BENZAMIDE DERIVATIVES

C.S. Hallikeri[1,2], Shrinivas D. Joshi*[2], Devendra Kumar[2] and V.H. Kulkarni[2]

[1]Centre for Research and Development, Prist University, Thanjavur, Tamil Nadu-613 403

[2]Novel Drug Design and Discovery Laboratory, Department of Pharmaceutical Chemistry, S.E.T.'s College of Pharmacy, Sangolli Rayanna Nagar, Dharwad-580 002

E-mail : shrinivasdj@rediffmail.com

Received 05 Jan. 2015; Accepted 14 May 2015

A new series of substituted 4-(2,5-dimethyl-1*H*-pyrrol-1-yl)-N-phenyl benzamides (**3**a-j) has been synthesized by reacting 4-(2,5-dimethyl-1*H*-pyrrol-1-yl) benzoic acid (**2**) with substituted primary aromatic amines in presence of HBTU and DIEA in dry DMF. The purity of the compounds was confirmed by melting point and TLC. The structures of the newly synthesized compounds were confirmed by analytical and spectral data such as FTIR, ^{1}H NMR, ^{13}C NMR and Mass spectroscopy. These compounds were screened for their antimicrobial and antitubercular activities using broth microdilution and MABA methods respectively.