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Short Communication

One Pot Synthesis and Characterization of 1,2,3-Triazole Xanthenones As Potent Anti-Bacterial Agents

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ABSTRACT

A series of 12-[4-(1-Phenyl-1H-[1,2,3]-triazol-4-ylmethoxy)-phenyl]-8,9,10,12-tetrahydro-benzo [a] xanthen-11-one derivatives (IVa-j) have been synthesized via one-pot three component reaction of 2-naphthol, substituted 4-(1-Phenyl-1H-[1,2,3]-triazol-4-ylmethoxy)-benzaldehydes and cyclic 1,3-diketones in the presence of catalytic amount of iodine gave excellent yields. The newly synthesized compounds were characterized by analytical and spectral data. All the compounds were screened for their antibacterial activity.

Keywords: Iodine, Xanthenones, 2-Naphthol, Dimedones.
