



Synthesis and Antibacterial activity of some Novel 1-piperidin-4-yl-1,3-dihydro-2H-benzimidazol-2-one analogs

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ABSTRACT

Synthesis of some novel 1-piperidin-4-yl-1,3-dihydro-2H-benzimidazol-2-one analogs (10 -17) were prepared from commercially available 1,2-phenylenediamine. Compounds (10 -17) were tested for Gram positive: Streptococcus pyogenes and Staphylococcus aureus. Gram negative: Escherichia coli, Pseudomonas arzenous, Proteus vulgaris, Salmonella typhii bacterial cultures. Compounds 10 – 13 were found to be highly active against Streptococcus pyogenes and Escherichia coli.

Keywords: Antibacterial activity, 1,3-dihydro-2H-benzimidazol-2-one.
