International Journal of ChemTech Research
CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.10 No.7, pp 1019-1027, 2017

Synthesis and Antibacterial Activity of 5-benzylidenebarbituric acids : A structure - reactivity Study.

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Abstract : A very simple and highly efficient synthesis was established for the reaction of barbituric acid and substituted benzaldehydes to provide novel substituted 5-benzylidenebarbituric acids. Synthetized substituted 5-benzylidenebarbituric acids were characterized by ^{1}H and ^{13}C NMR spectral analysis. The antibacterial activities and structure reactivity correlation of the compounds have been studied.
Keywords : Substituted 5-benzylidenebarbituric acids; antibacterial, correlation studies.

K. Radhakrishnan *et al* /International Journal of ChemTech Research**,** 2017,10(7): 1019-1027.

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