



Synthesis and Biological Evaluation of Benzylideneamino-5*H*-Thiochromeno[2,3-*b*]Pyridin-5-one

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SUMMARY. Various benzylideneamino-5*H*-thiochromeno[2,3-*b*]pyridin-5-one derivatives were synthesized by the reaction of 7-amino-5*H*-[1] benzothiopyrano[2,3-*b*]pyridin-5-one and different benzaldehydes. Their structures were confirmed on the basis of Mass, ¹H NMR, IR spectra and elemental analysis. These compounds were screened for their antioxidant and antibacterial properties. The results reveal that some compounds have pronounced antioxidant and antibacterial activities.

KEY WORDS: Thiochromenopyridine, Biological evaluation, Synthesis, Schiff's bases.

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