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Synthesis of 2-(N'-Substituted)Thiocarbamido-5-(N"-Substituted)-2,4-Dithiobiurato)-1,3 Benzothiazoles and Antimalarial Activity

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Abstract : Recently in this laboratory a somewhat convenient and green synthesis conventional method for a synthesis of 2-(N'-substituted)thiocarbamido-5-(N''-substituted)-2,4-dithiobiurato)-1,3-benzothiazoles were developed by an interactions of 5-substituted-thiocarbamido-2-aminobenzothiazole with various isothiocyanates in 60% acetone-ethanol medium on water bath. The synthesized compounds were characterized by spectral analysis and all compounds were screened for their antimalarial activates.

Keywords: Various isothiocyanates, 5-substitutedthiocarbamido-2-aminobenzothiazole and 60 % acetone-ethanol medium.

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