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Biological active 1, 2, 4-triazole derivatives: Synthesis and biological studies

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Ethyl 2-(ethylsulfanyl)benzoate was prepared by treating bromoethane with potassium carbonate and thioisocyclic acid. Ethyl 2-(ethylsulfanyl)benzoate was then converted to ethyl 2-(ethylsulfanyl)benzohydrazide. A series of 1-acythiosemicarbazides were then prepared from ethyl 2-(ethylsulfanyl)benzohydrazide, followed by cyclisation to form 1, 2, 4-triazole derivatives. The structures of intermediates and desired compounds were confirmed by spectroscopic analysis. *In vitro* DPPH radical scavenging activities of 1, 2, 4-triazole derivatives were studied and will be reported.

Biography

Zanariah Abdullah has involved in organic synthesis for more than 20 years. She continued her research in application of florescent molecules in surface chemistry, ionic liquids and biological activities studies. She is currently the Dean of Faculty of Science, University of Malaya, Kuala Lumpur, Malaysia.

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