

Regioselective Synthesis, Antitumor and Antioxidant Activities of Some 1,2,4-Triazole Derivatives Based on 4-Phenyl-5-(quinolin-8-yloxy)methyl-4*H*-1,2,4-triazole-3-thiol

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ABSTRACT

Regioselective synthesis of some triazole derivatives **4-19** was achieved from the versatile, readily accessible 4-phenyl-5-(quinolin-8-yloxy)methyl-4*H*-1,2,4-triazole-3-thiol/thione **3**. The structures of the newly synthesized products were confirmed and characterized by IR, ¹H NMR, ¹³C NMR and mass spectral studies. Most of the synthesized compounds were evaluated for their antitumor and antioxidant activities and demonstrated potent to weak activities.