Synthesis and Antioxidant Activity of 1-(1,2,3,4-Tetrazol-2-yl-Diazenyl)-4-(Substituted Benzylideneamino)

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ABSTRACT
A series of Schiff’s bases fused with tetrazole ring having the name 1-(1,2,3,4-tetrazol-2-yl-diazenyl)-4-(substituted benzylideneamino) benzene were prepared through the reaction of 2-amino tetrazole hydrochloric acid and sodium nitrite and the product was reacted with aniline, then the final product was reacted with benzaldehyde and substituted benzaldehydes. The compounds 3(a-k) were identified using the analytical and spectral means, the antioxidant properties were measured to the prepared compounds using the metal ions (Fe^{3+}, Cu^{2+}), using the ferrozine and 2,9-dimethyl-1,10-phenanthroline (neocuproine).

Keywords: Schiff’s bases, tetrazole ring, 1-(1,2,3,4-tetrazol-2-yl-diazenyl)-4-(substituted benzylidene amino) benzene.