



## Synthesis of some saccharin derivatives containing 1,2,3-triazoline ring

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**Abstract:**Some of 1,2,3-triazoline containing compounds were prepared starting from sodium saccharin. The later was reacted with allyl chloride forming allyl saccharin, then reacted with n-heptylazide to give compound (1) named as (N-((1-n-heptyl-1,2,3-triazolin-4-yl)methyl)saccharin. Compound(1)was hydrolyzed under strong basic conditions to form the carboxylic acid derivative(2). Compound (2)reacted with ethanol to produce the ester derivative (3), the ester derivative (3) reacted with hydrazine to form the hydrazide derivative (4). Compound(4)was reacted with propargyl chloride to form (5).Compound (5) finally reacted again with n-heptylazide to form (6). The compounds were identified using the analytical and spectral methods shown in the work.The compounds were tested for their biological and antioxidant activity; some compounds were active and other was not.

**Keywords:**Saccharin, 1,2,3-Triazoline, Antibacterial, Antioxidants.

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