

## عنوان مقاله:

Modification of Creatinine to Form New Oxazepane Ring and Study Their Antioxidant Activity

## محل انتشار:

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## خلاصه مقاله:

In this research new creatinine Schiff bases (1a, 1b, and 1c) were synthesized from the reaction of aromatic aldehydes (4-nitrobenzaldehyde, 4-amino benzaldehyde, and cinnamaldehyde) with creatinine, in few drops of glacial  $\text{CH}_3\text{COOH}$  as a catalyst in  $\text{C}_2\text{H}_5\text{OH}$ . Then, seven-member rings were prepared (oxazepine) (2a-2c) on creatinine form treatment of imines with (phthalic, maleic, and succinic anhydrides). Synthesized compounds were identified by IR, melting point, and  $^1\text{H-NMR}$  of some of them. Some of the prepared compounds were studied with antioxidant activity

## کلمات کلیدی:

Schiff base, oxazepane derivatives, Antioxidant activity

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1262925>

