

Preparation and diagnosis of derivatives (1,3 - oxazepine - 4,7 – dione)

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Conclusion

These compounds were non-conjugated as oxafin-4,7-dayone (M62-70) from an escalation with malic anhydride using dry gasoline as a solvent in the way of thermal escalation or the smelting method was used when a solvent was not used. The composition of the compounds prepared by spectroscopy Infrared (IR) and NMR ¹H (Nuclear Magnetic Resonance) for some prepared compounds

(5) The group of L- carnitine (50mg/kgm) daily for (30) days

(6) The group of L- carnitine + Hydrogen peroxide 0.5%

(7) The group of "Swak" root pulp alcoholic extract + L- carnitine+ Hydrogen peroxide 0.5% together,

And the results was as follows :

Also , the study has shown a significant increase at the probability of ($p \leq 0.05$) in the concentration of Anhipyne hormone for the group treated with "Swak" root pulp alcoholic with L_carinitin with Hydrogen peroxide together in comparison with healthy control group, also the results of this study showed a significant decrease the group treated with Hydrogen peroxide and group treated with "Swak" root pulp with Hydrogen peroxide in comparison with the healthy untreated control group. A significant decrease at the probability of ($p \leq 0.05$) in the concentration of testosterone hormone in all of the other groups, in comparison with the healthy control group.

Also a highly significant decrease was noticed at the probability of ($p \leq 0.05$) in the concentration of lutein hormone and FSH hormone in all of the groups treated with Hydrogen peroxide and the those who are treated with "Swak" root pulp alcoholic extract and those who are treated with "Swak" root pulp alcoholic extract with Hydrogen peroxide and those who are treated with "Swak" root pulp alcoholic extract with L- carintine with Hydrogen peroxide, in comparison with the healthy control group.

Key words:- *Salvdorapersica*, L_carinitin, hormones