**The reaction of curcumin-hydrazine and its effect on bone marrow mesenchymal stem cells**

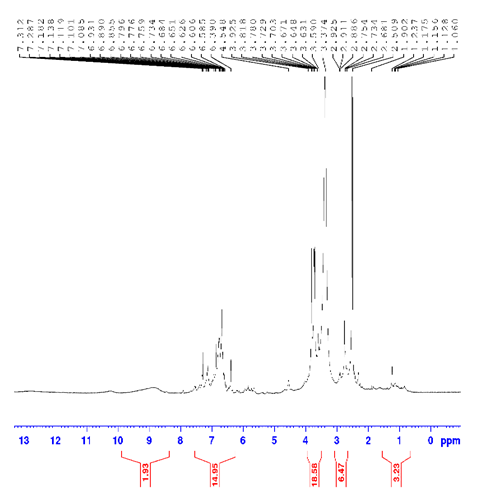
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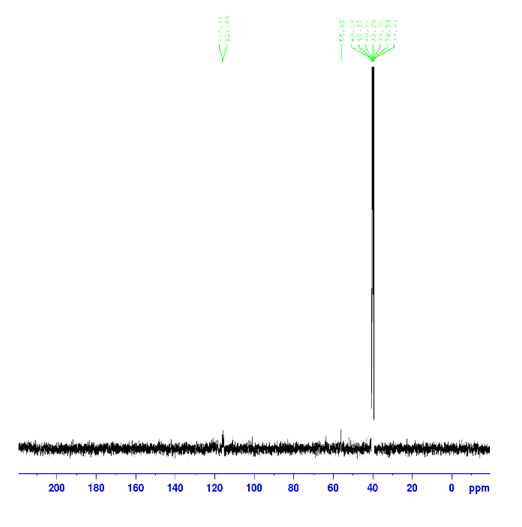
*b Department of biology, Faculty of Science, Arak University, Arak, Iran*



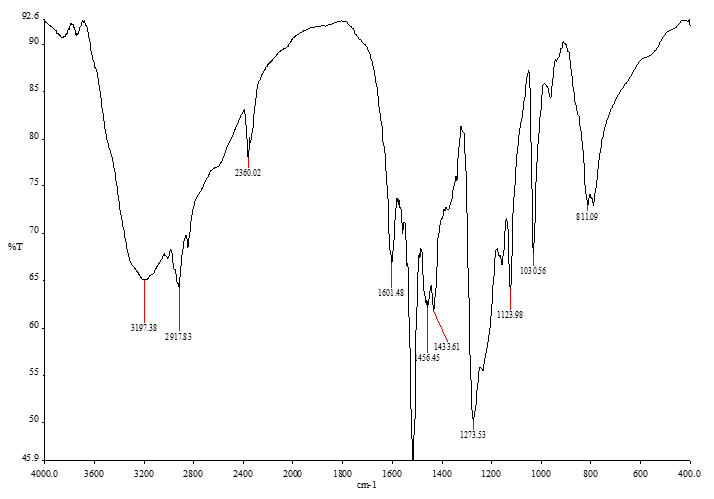
**Figure S2.** IR spectrum of curcumin-hydrazine interaction (stirrer)



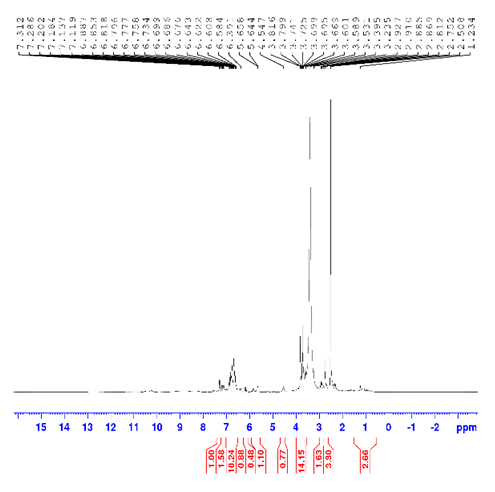
**Figure S3.** 1H NMR spectrum of curcumin-hydrazine interaction (stirrer)



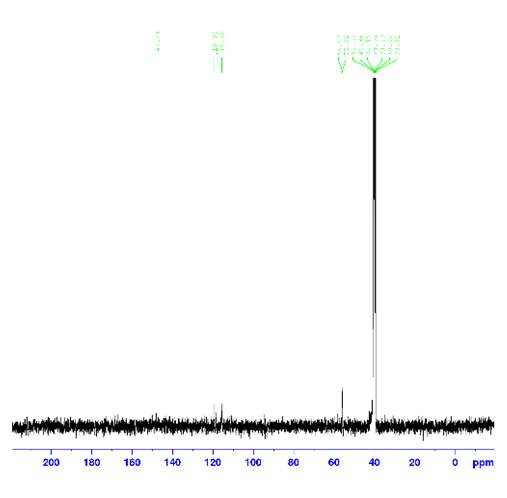
**Figure S4.** 13C NMR spectrum of curcumin-hydrazine interaction (stirrer)



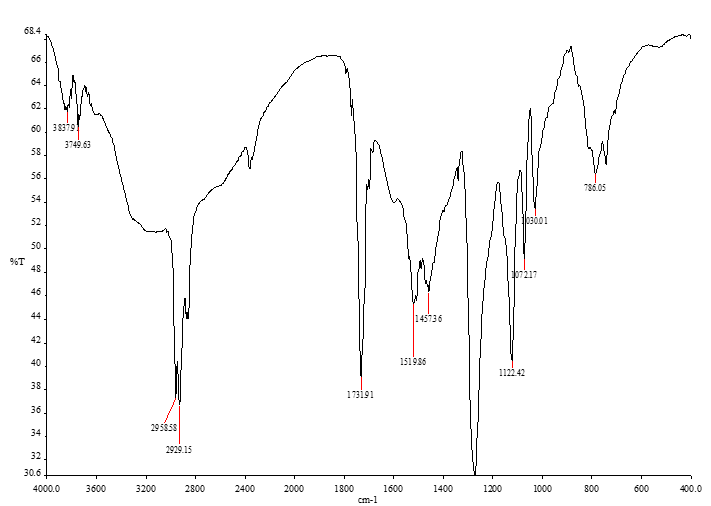
**Figure S5.** IR spectrum of curcumin-hydrazine interaction (ultra)



**Figure S6.** 1H NMR spectrum of curcumin-hydrazine interaction (ultra)



**Figure S7.** 13C NMR spectrum of curcumin-hydrazine interaction (ultra)



**Figure S8.** IR spectrum of curcumin-hydrazine interaction (reflux)