

Supporting Information

Soudanones A – G; Antifungal Isochromanones from the Ascomycetous Fungus *Cadophora* sp. Isolated from an Iron Mine

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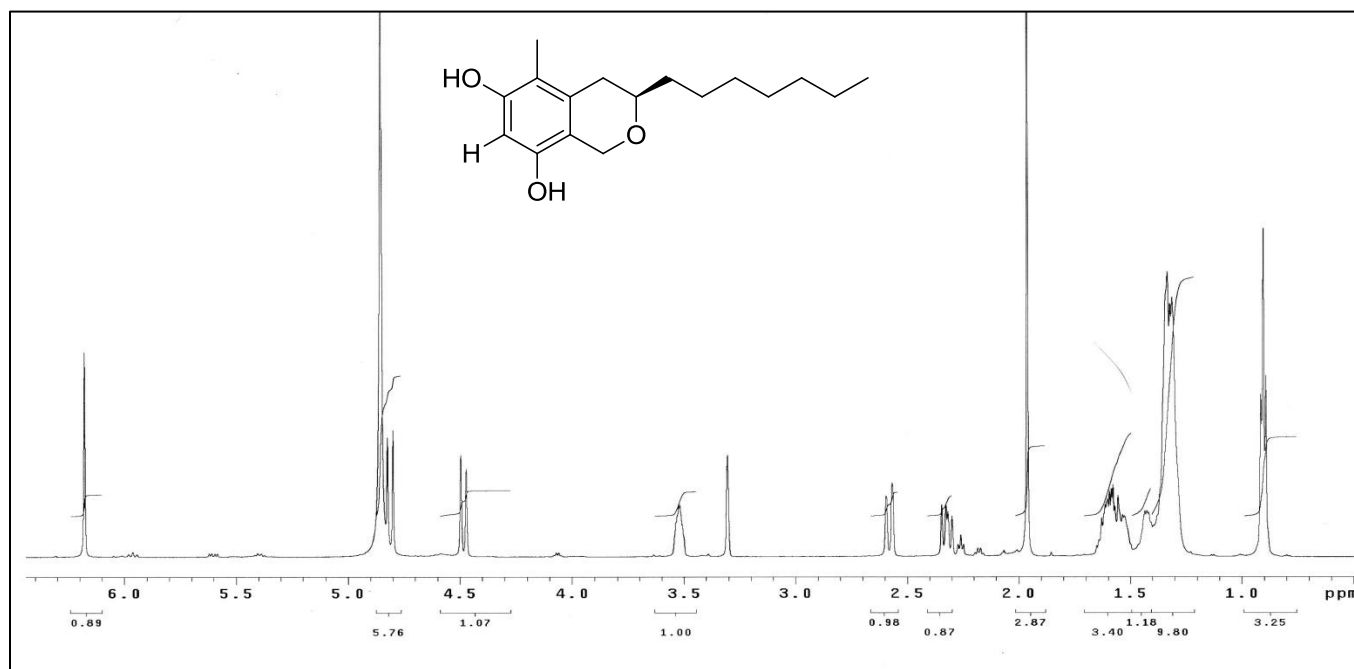
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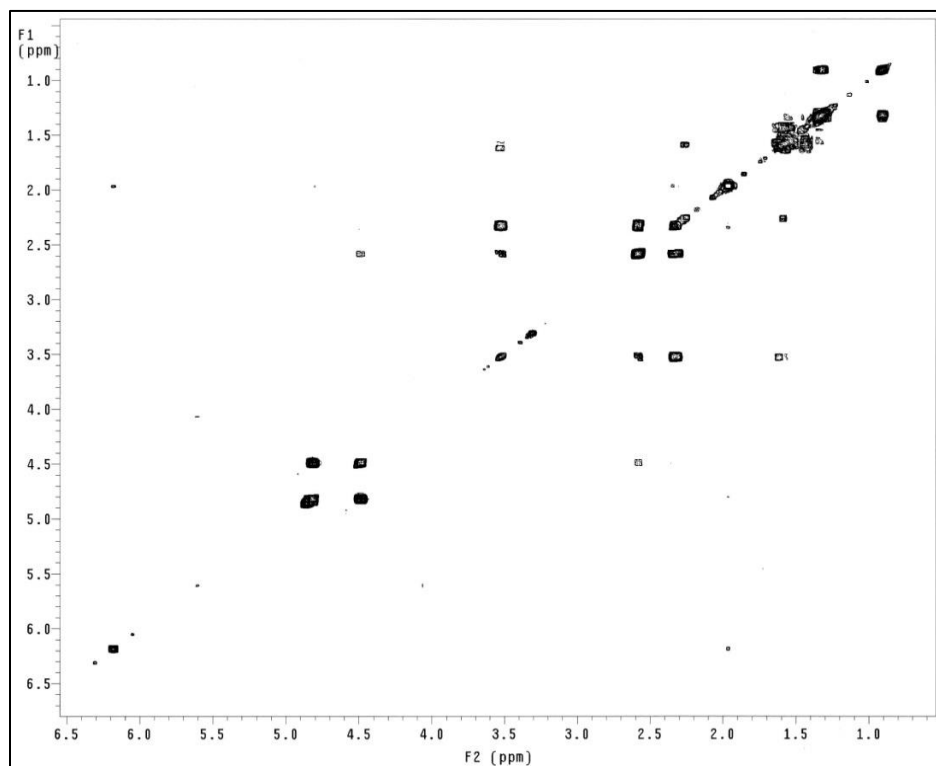
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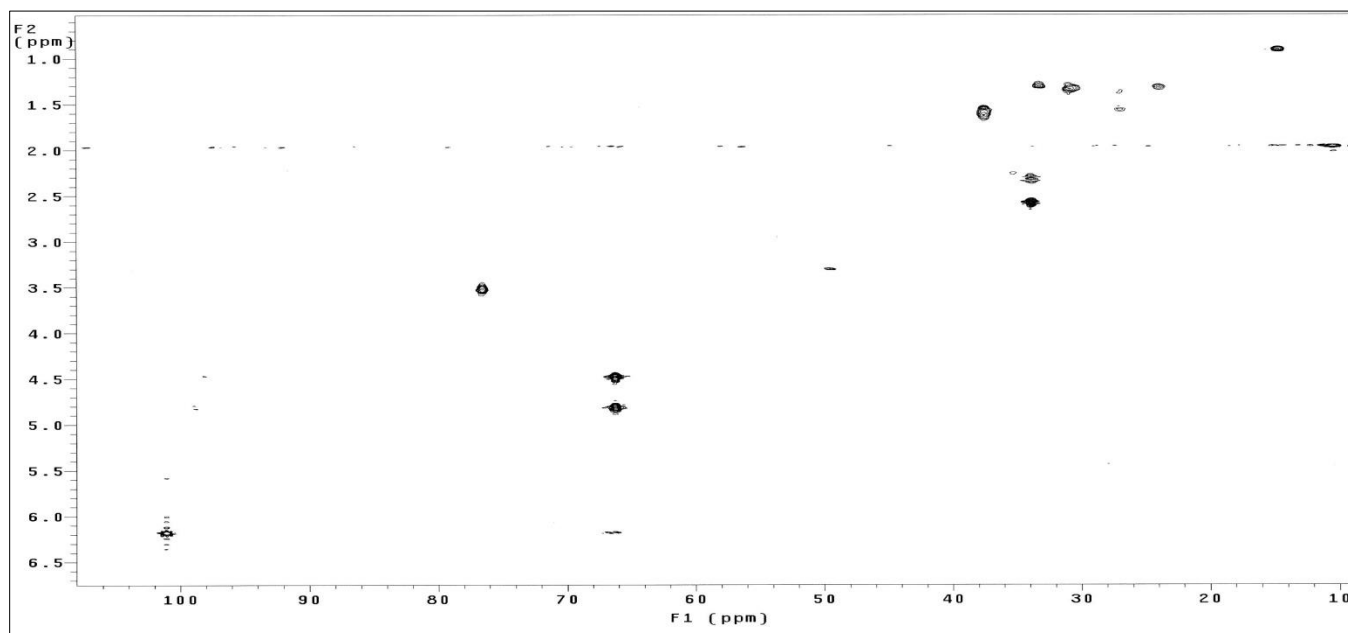
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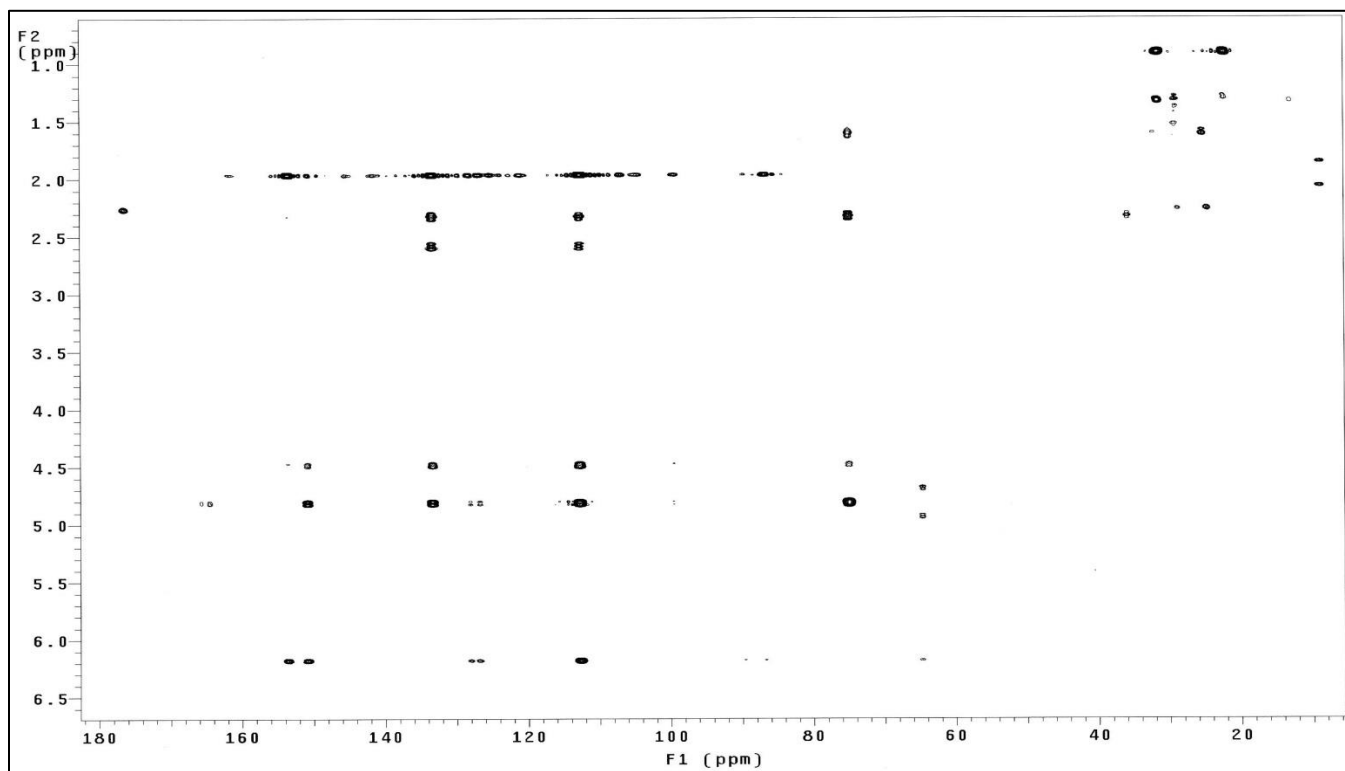
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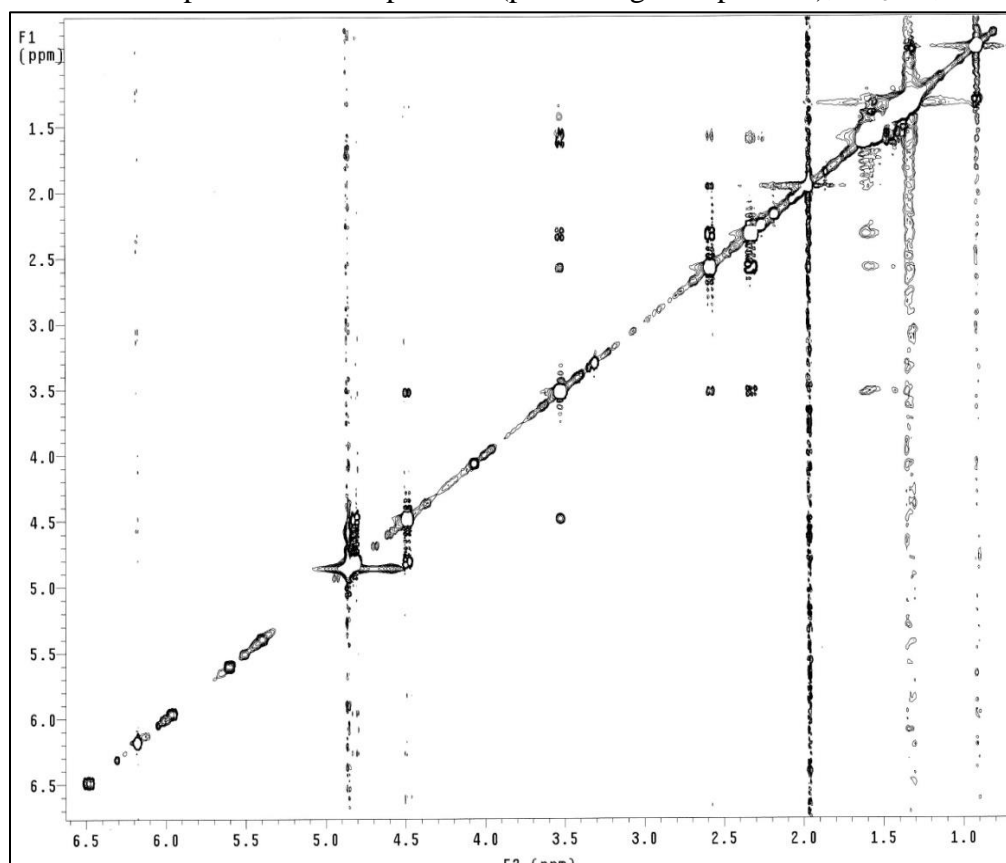
S3. HMQC spectrum of compound 1 (pseudoanguillosporin A), CD₃OD, 600 MHz



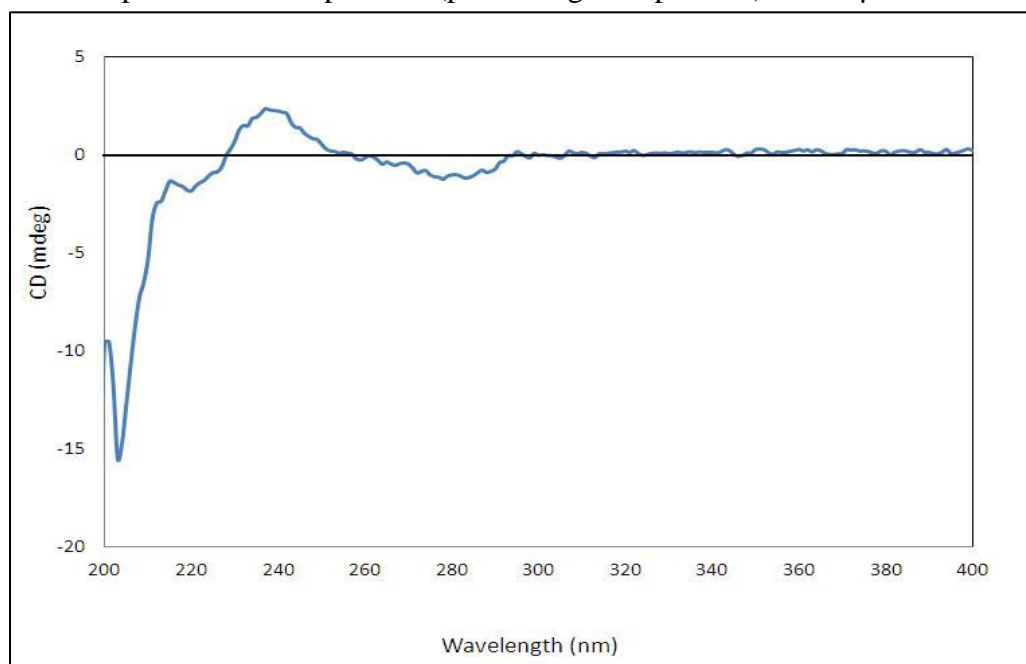
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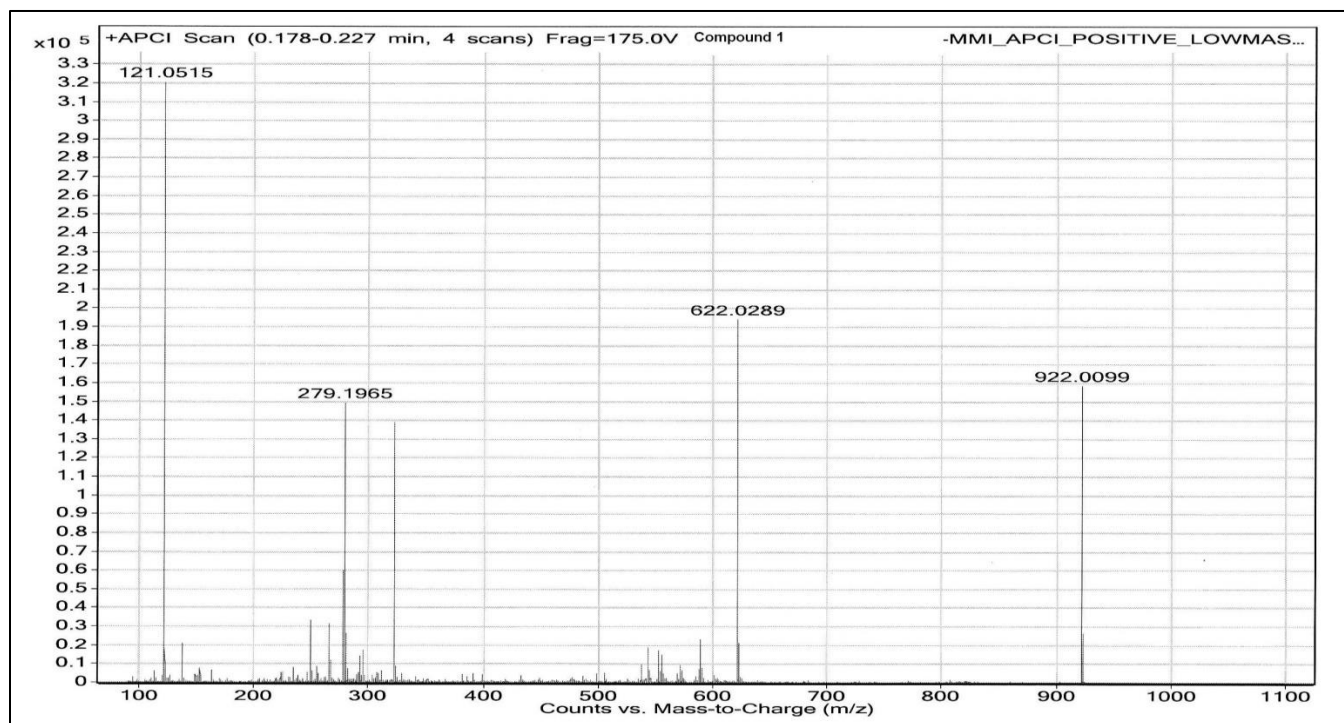
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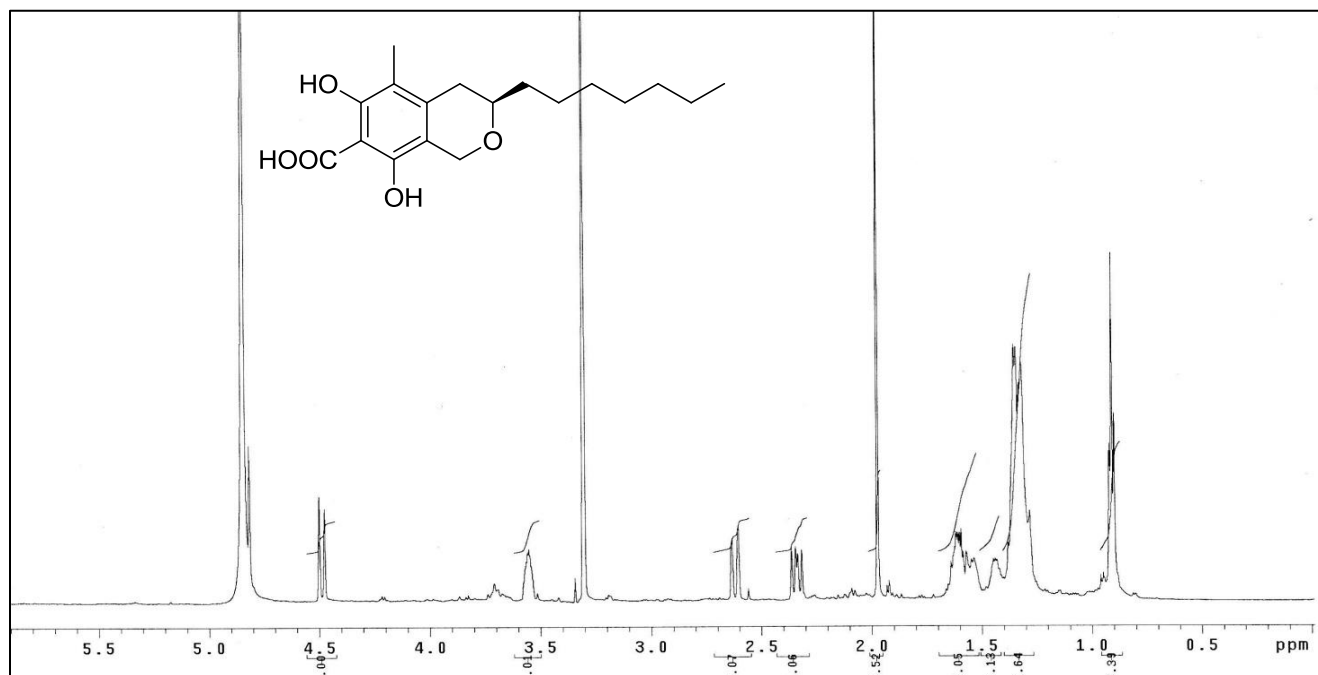
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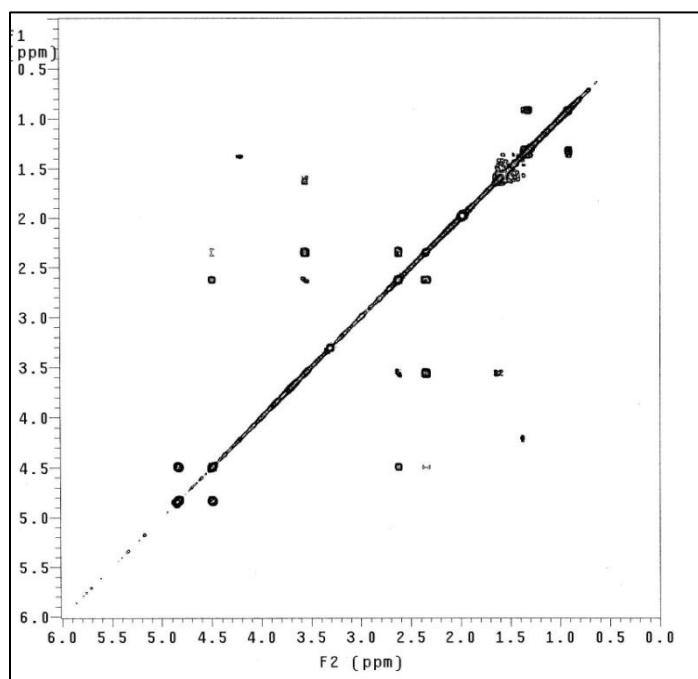
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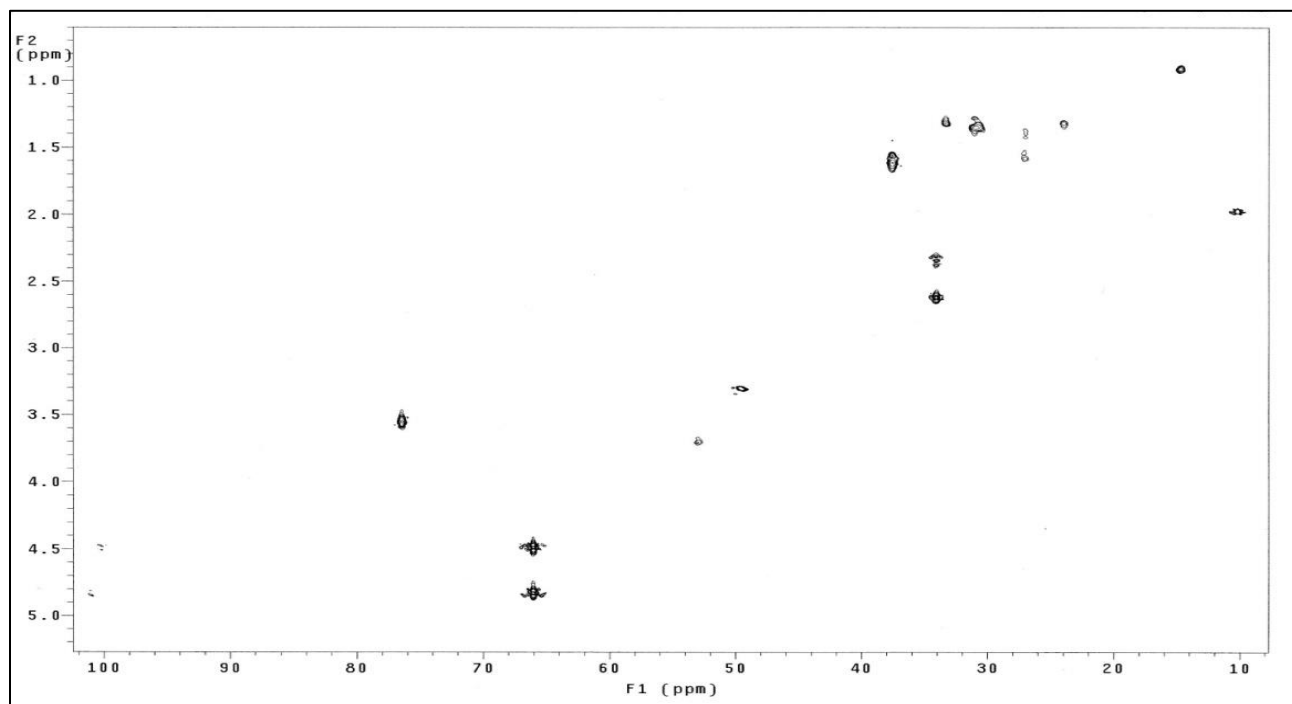
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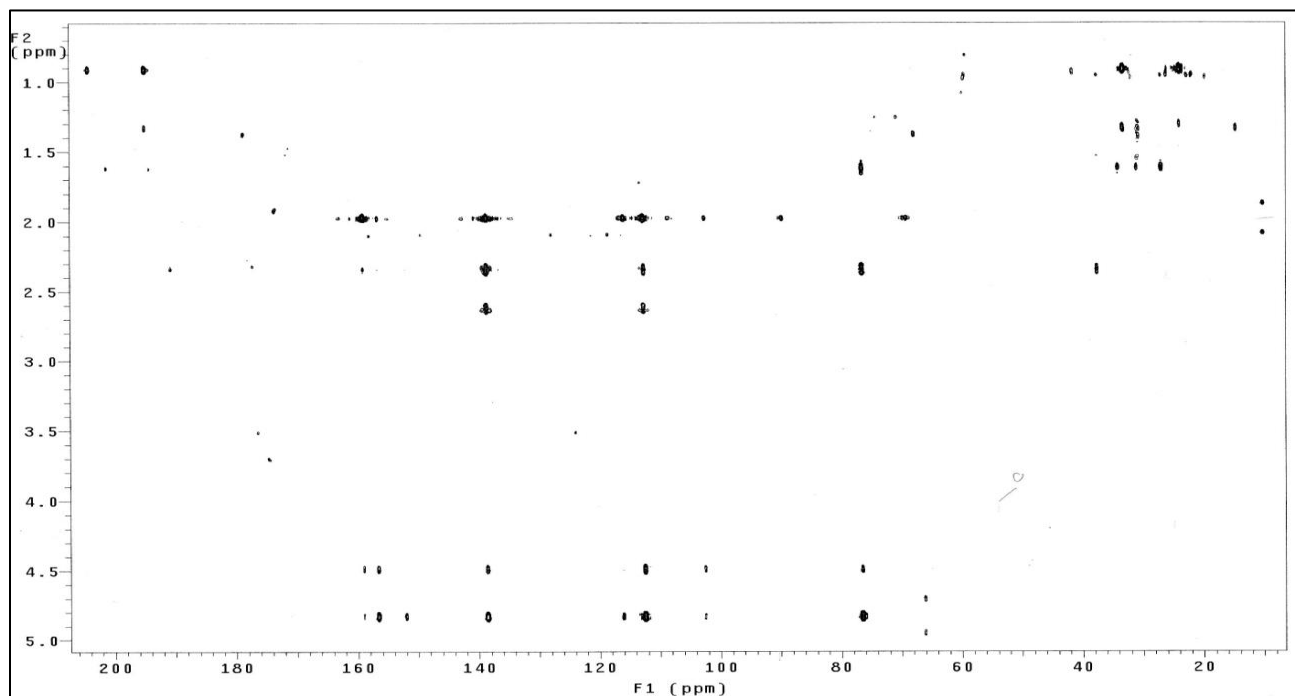
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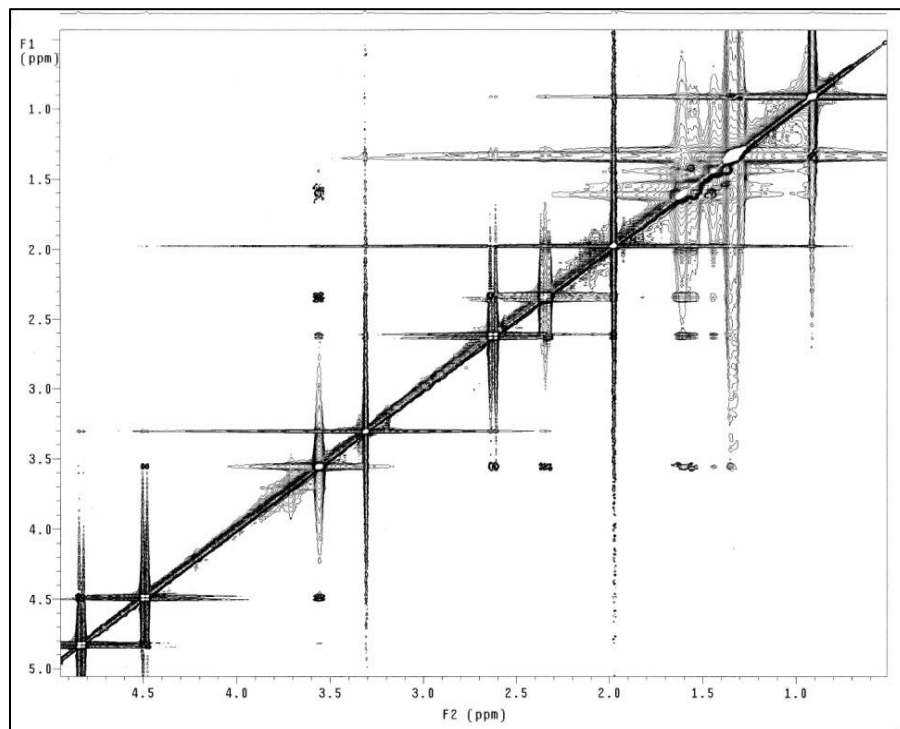
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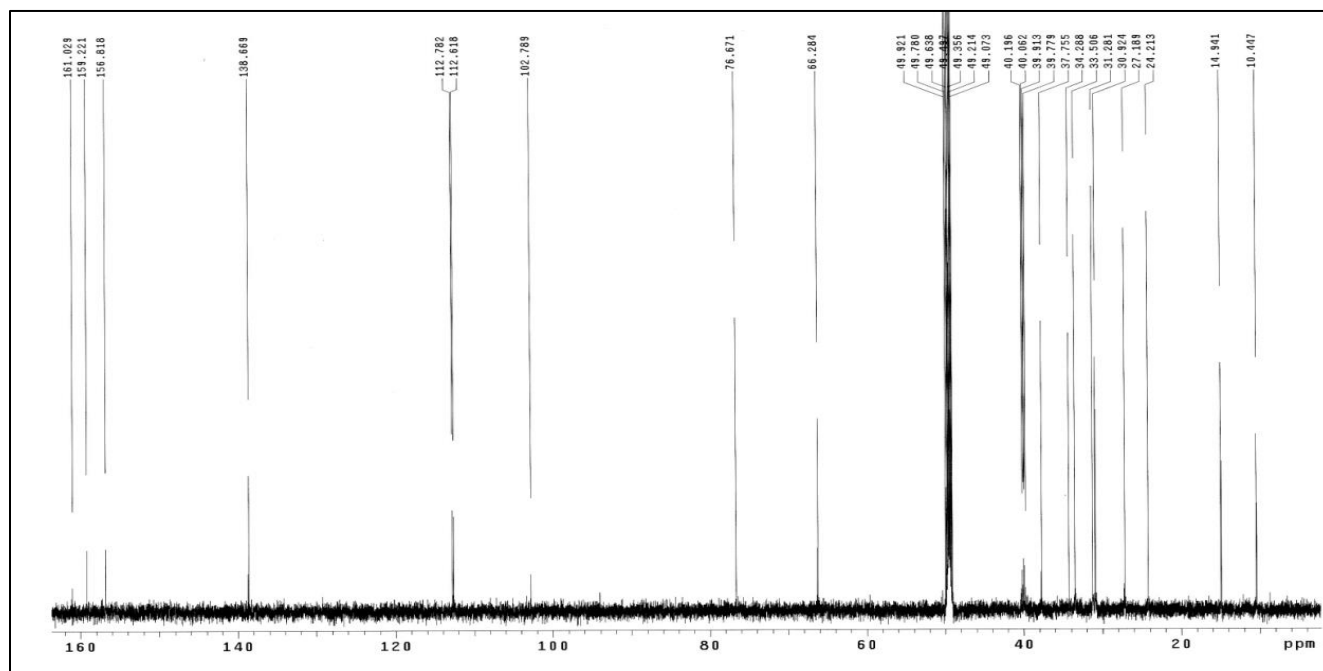
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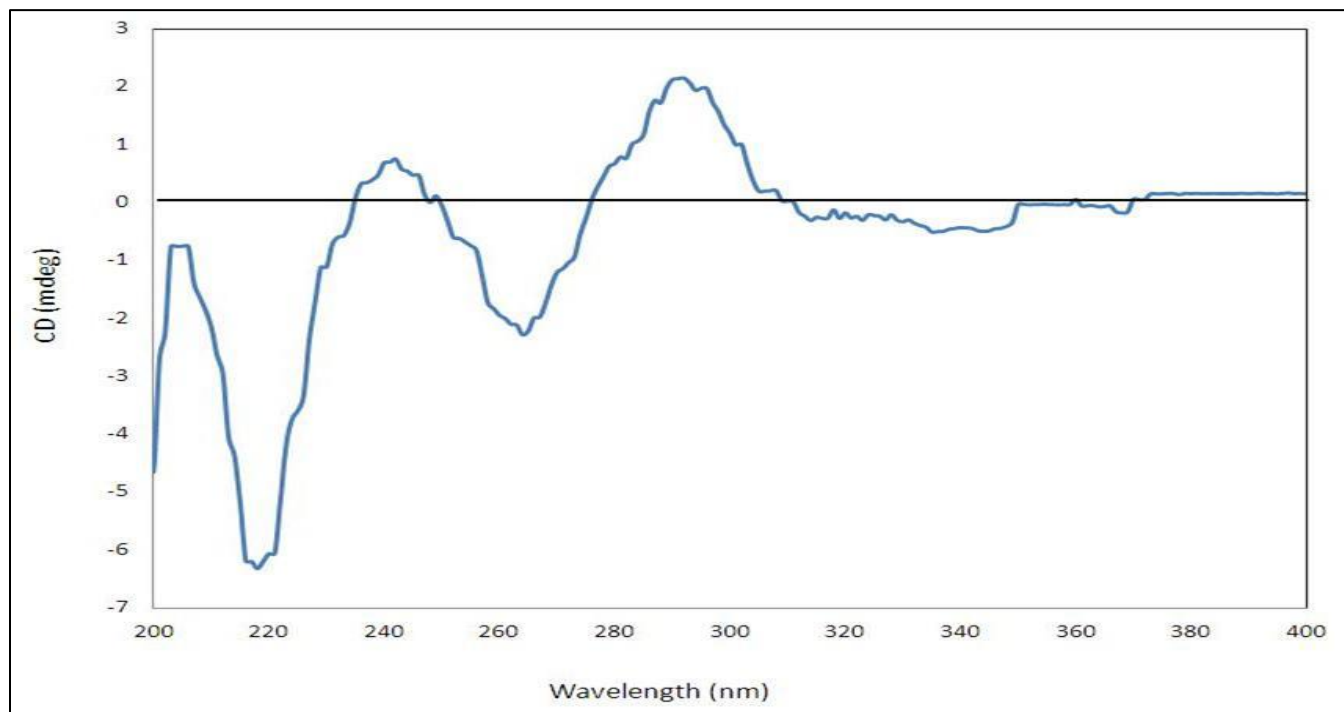
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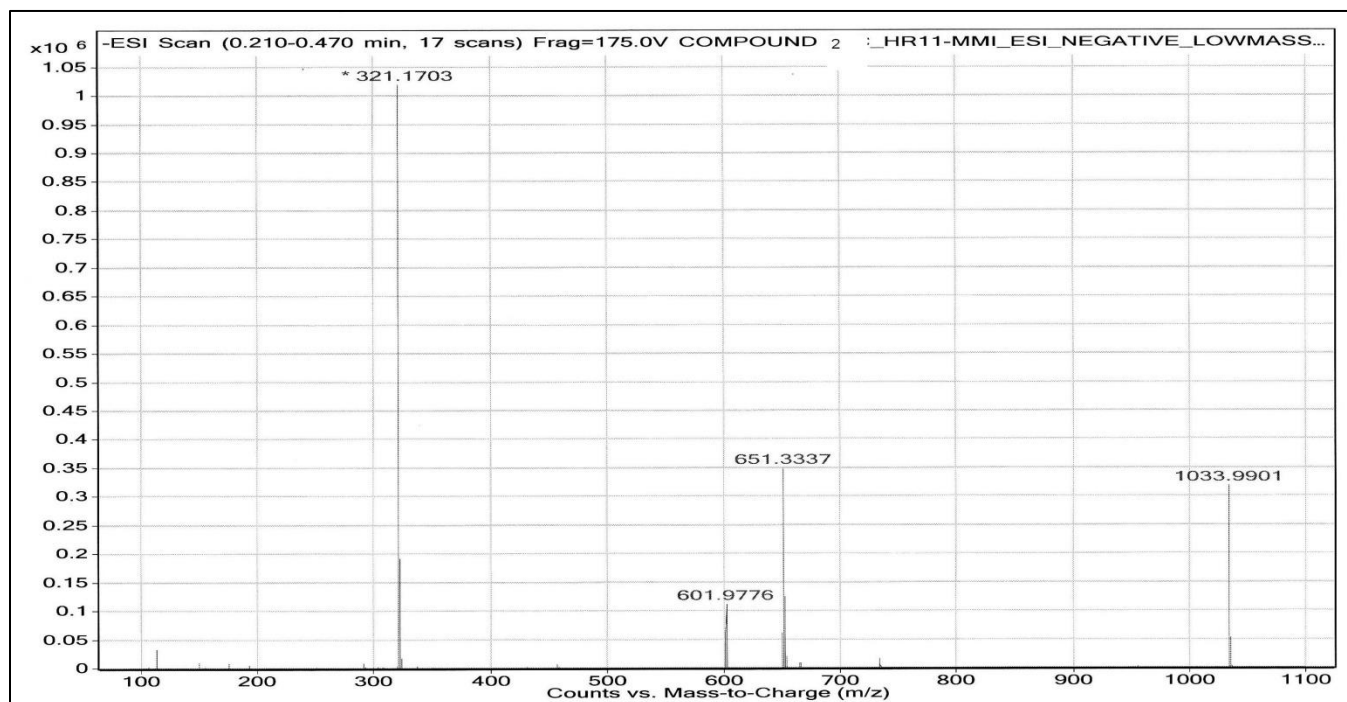
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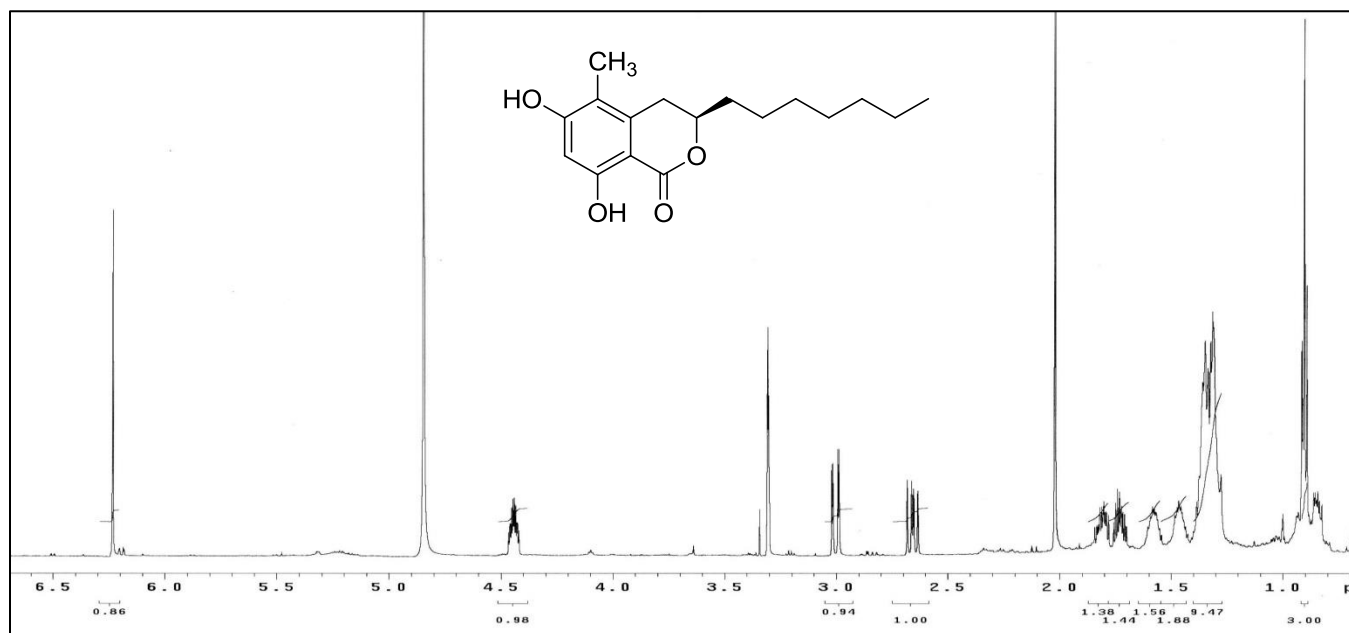
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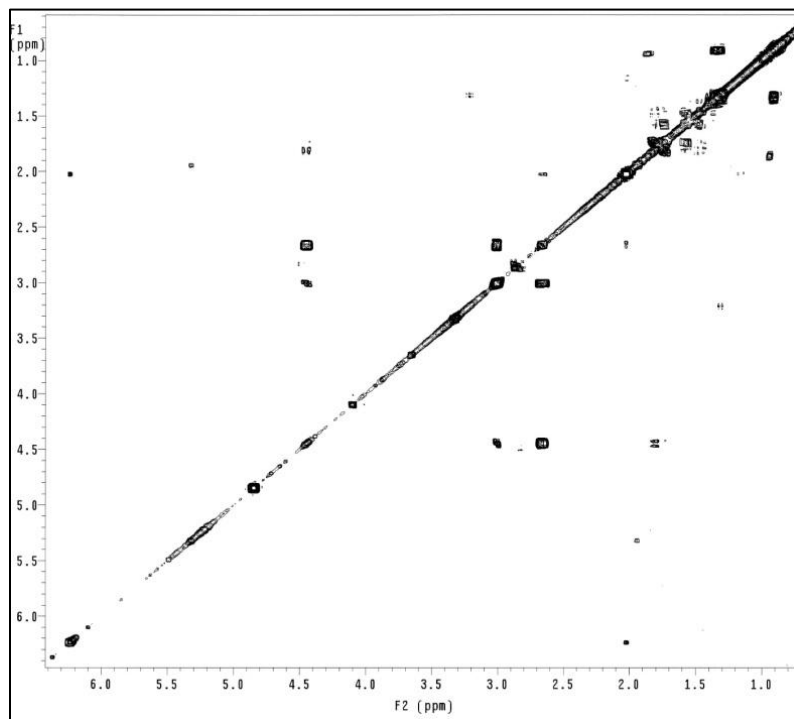
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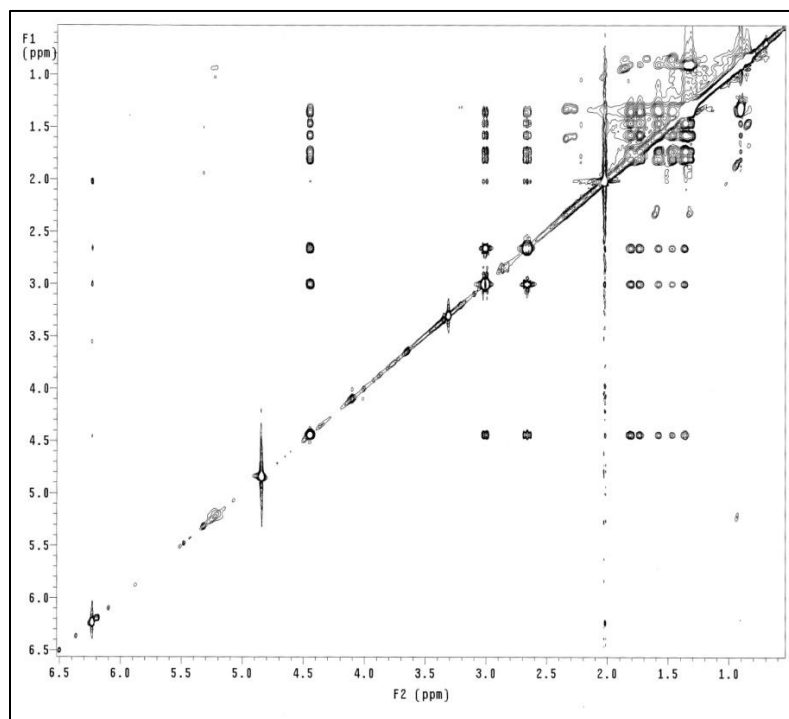
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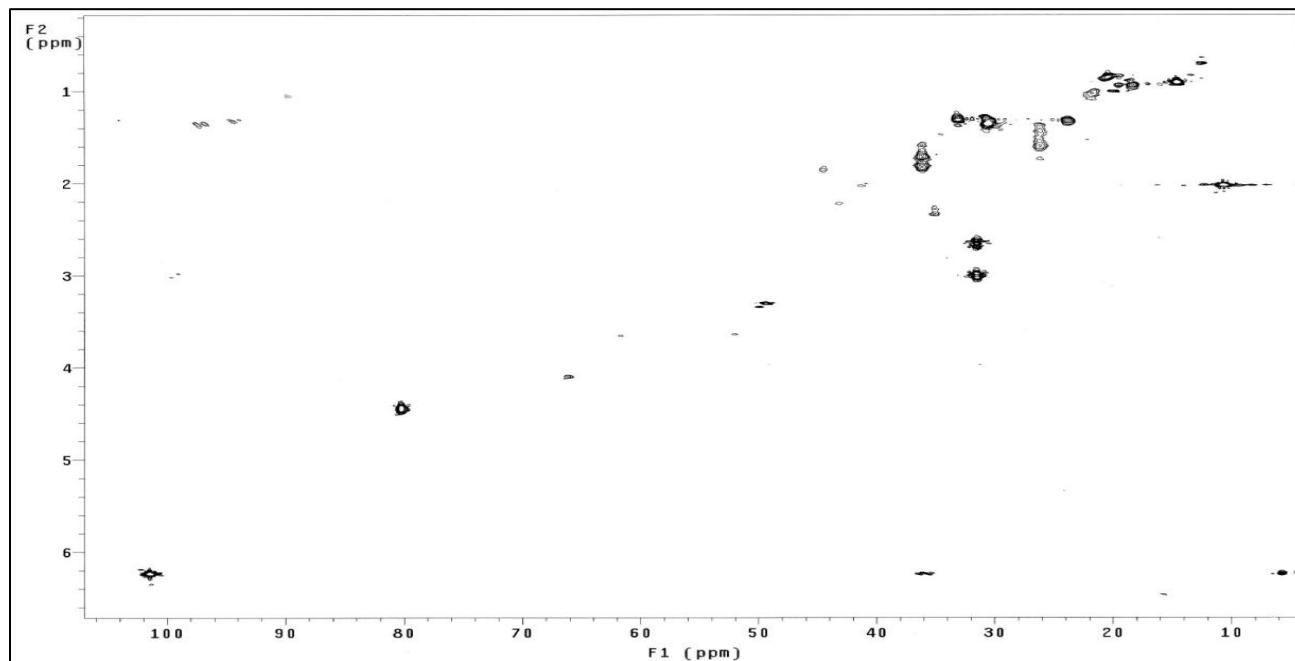
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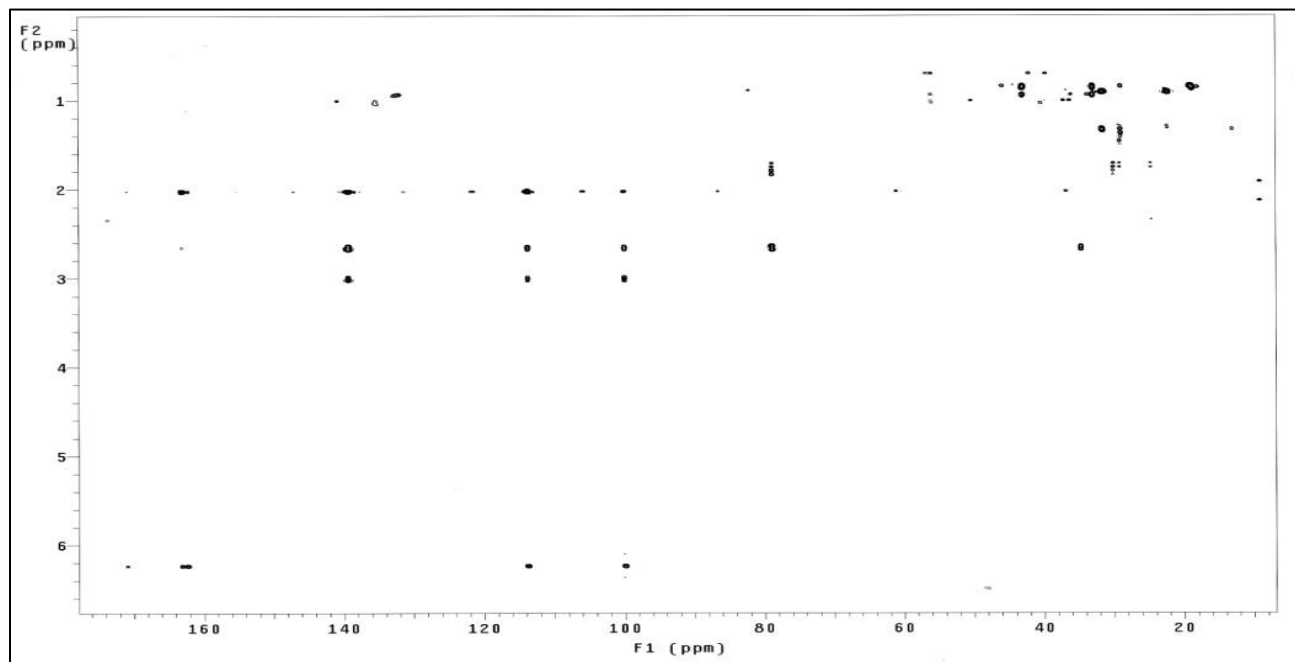
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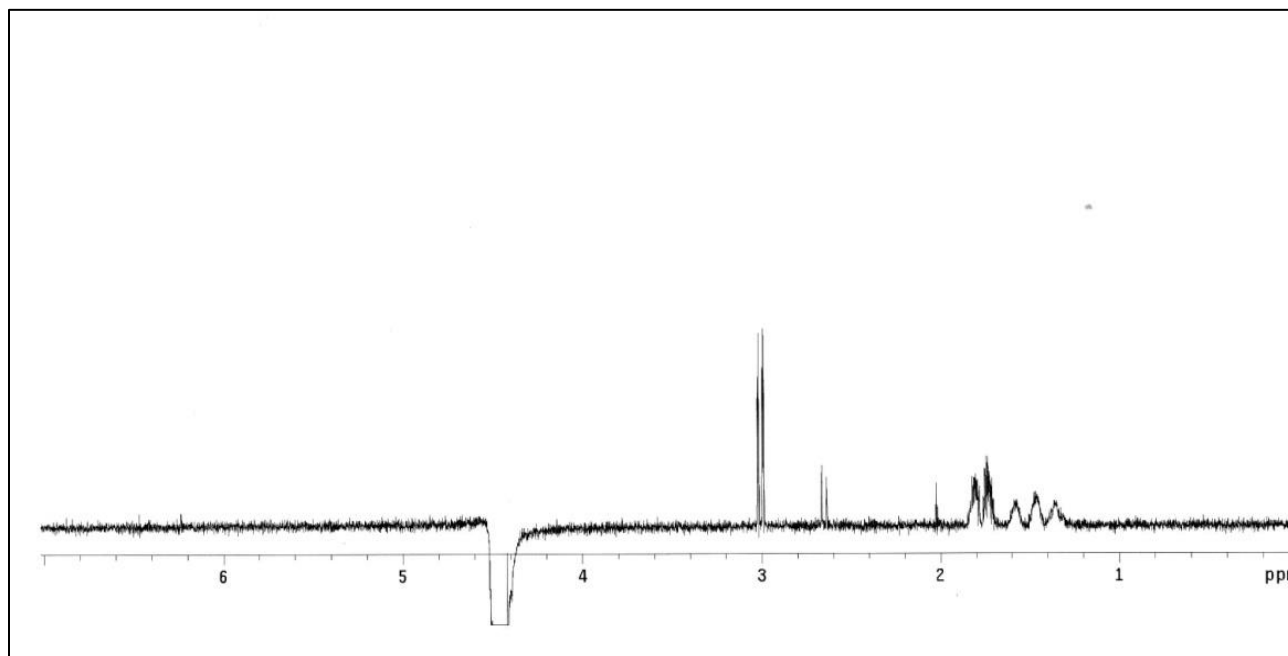
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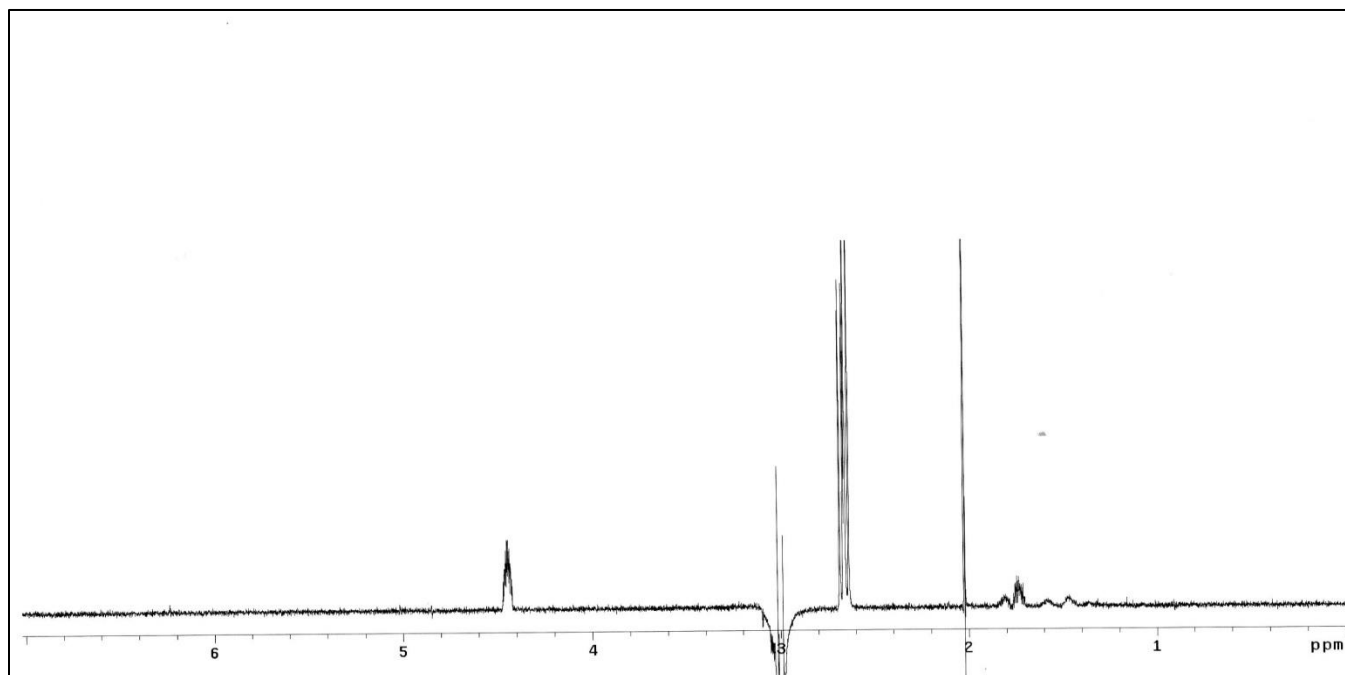
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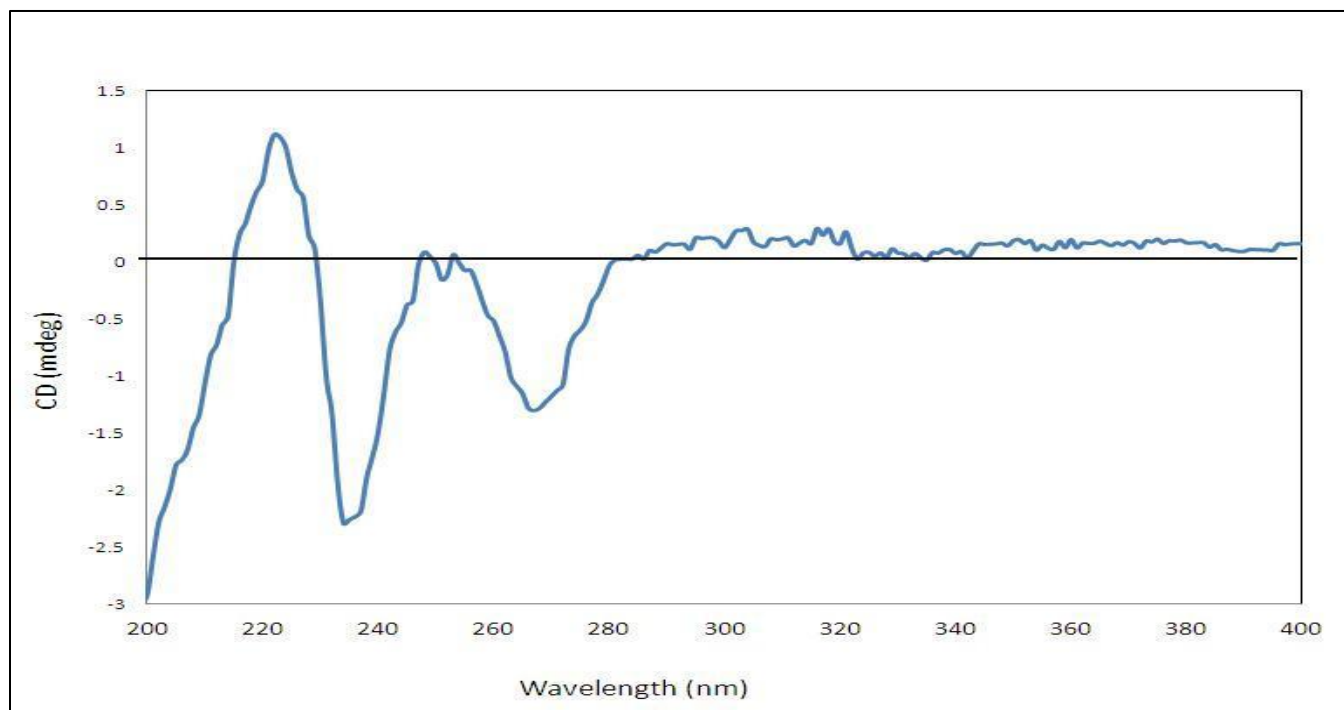
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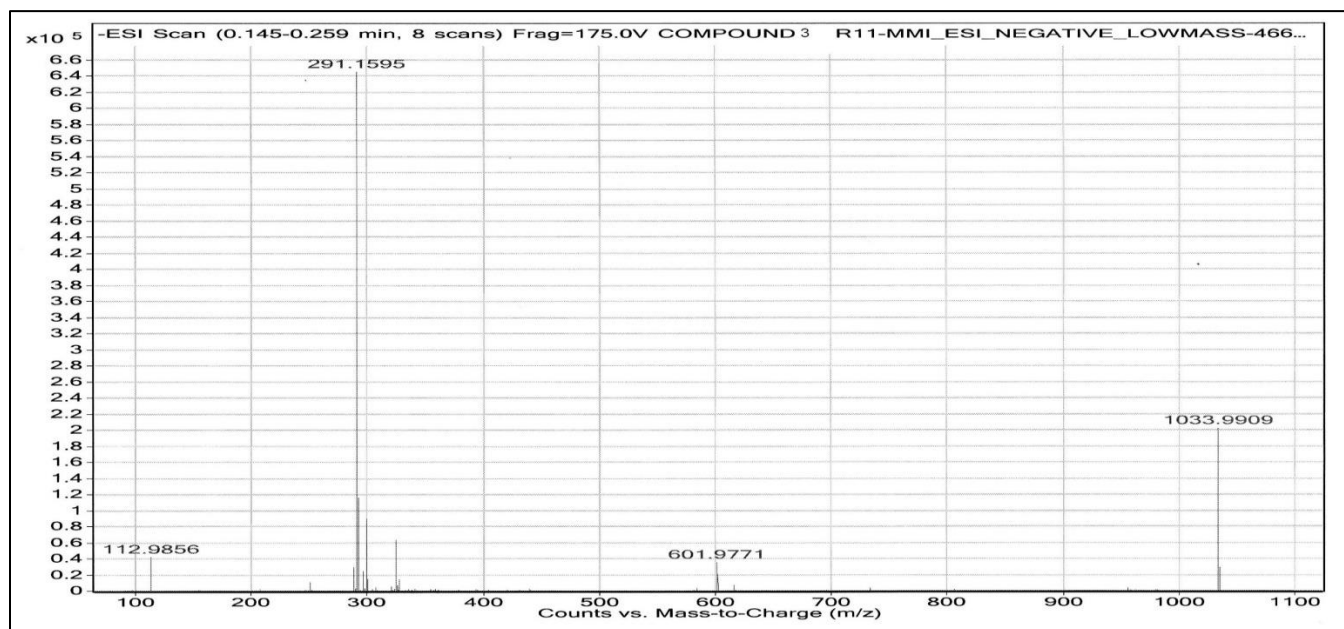
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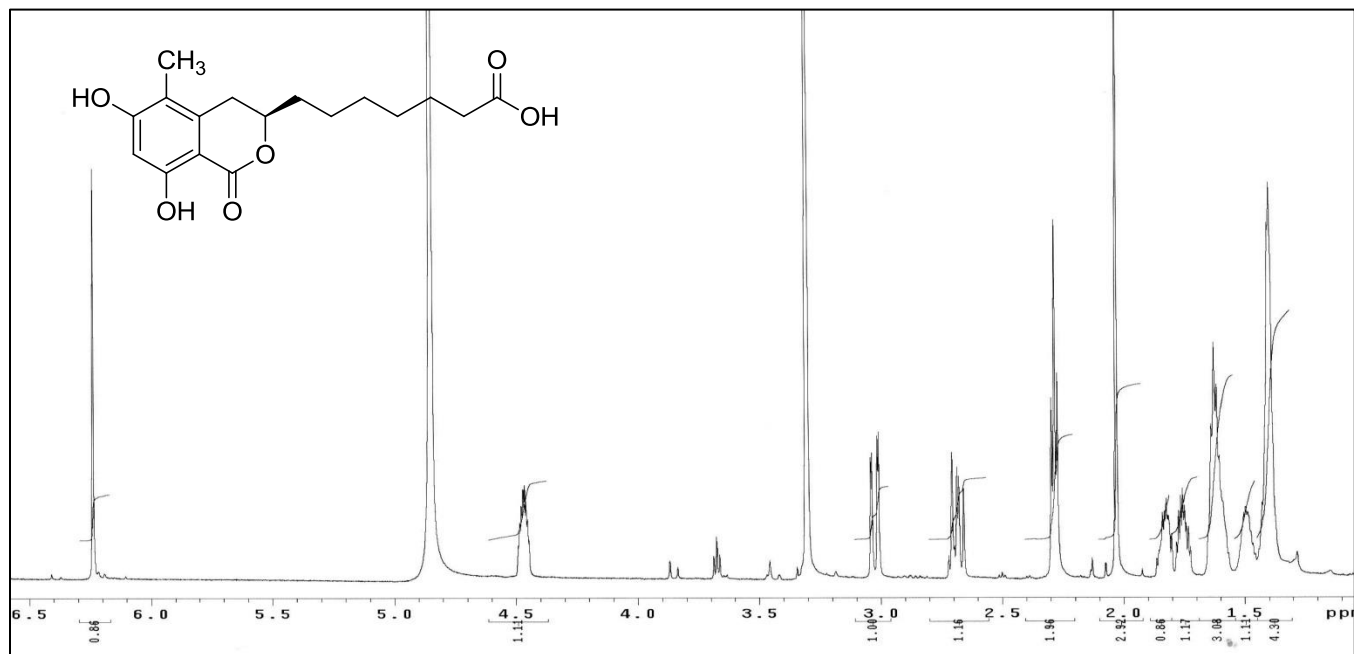
S23. CD spectrum of compound 3 (soudanone A) at 350 μM in acetonitrile



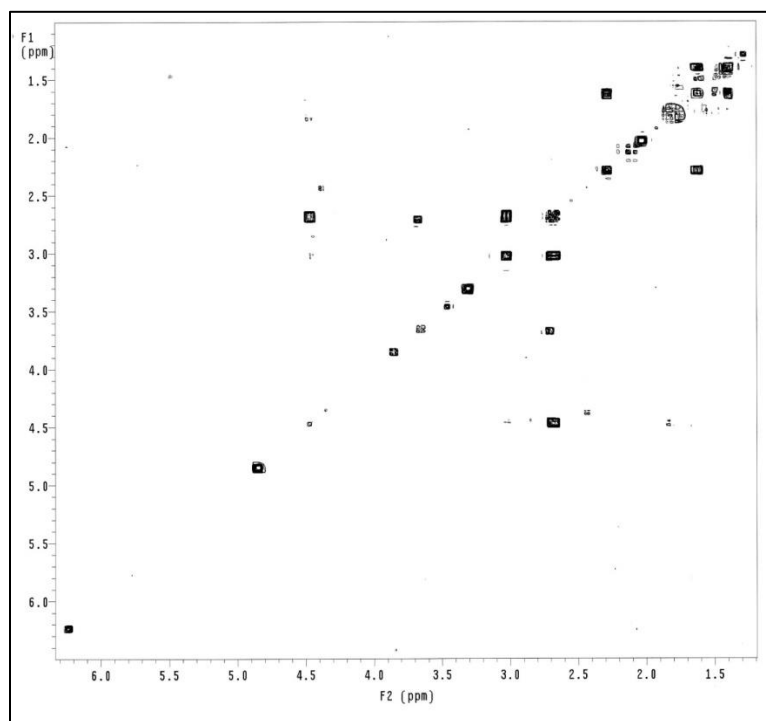
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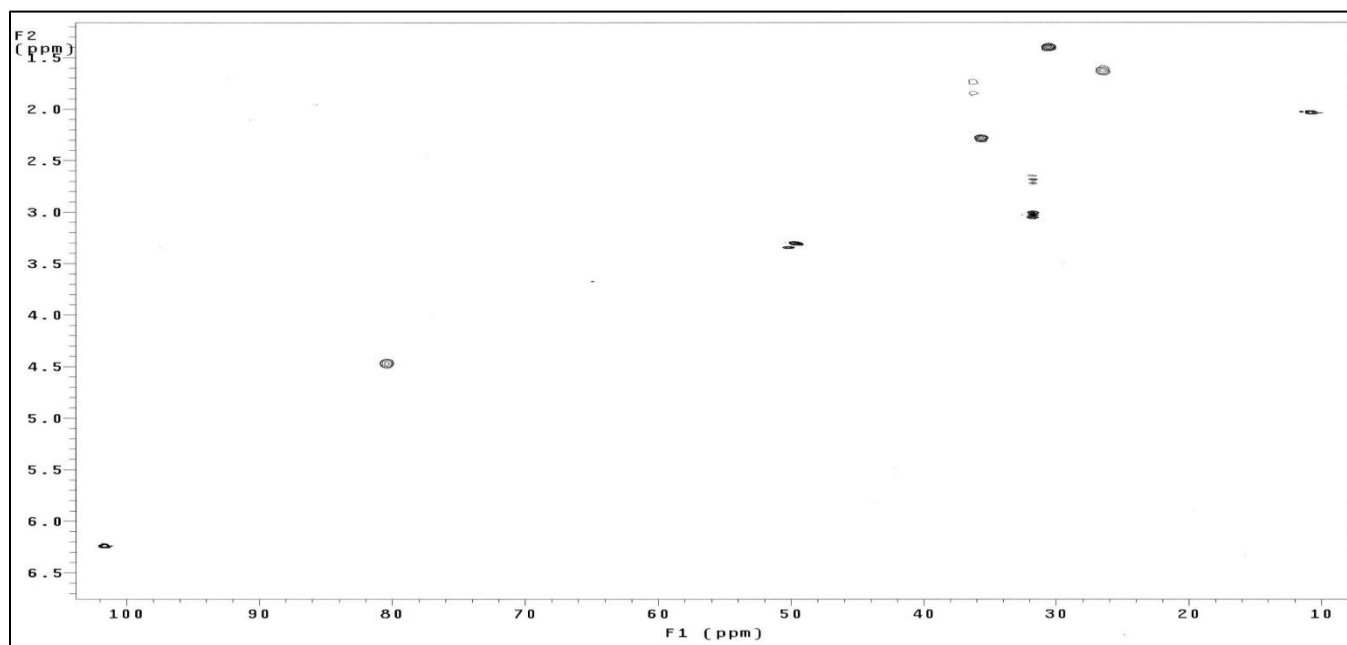
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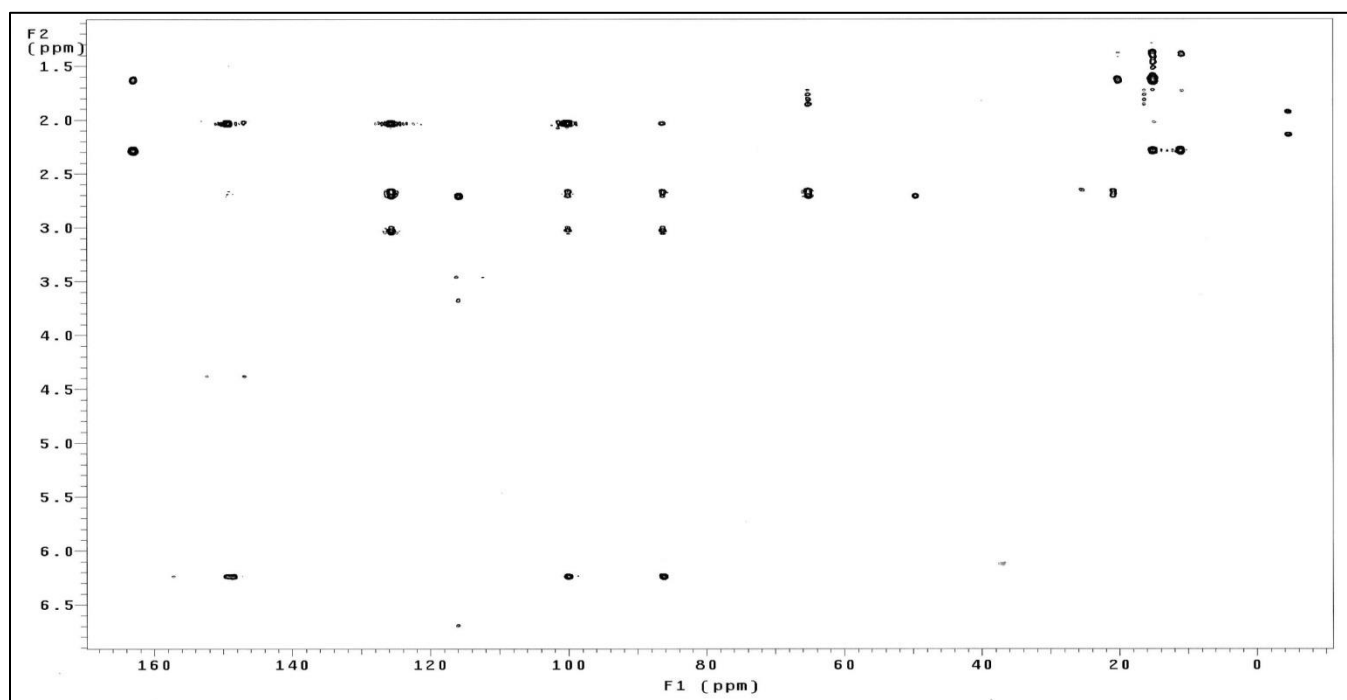
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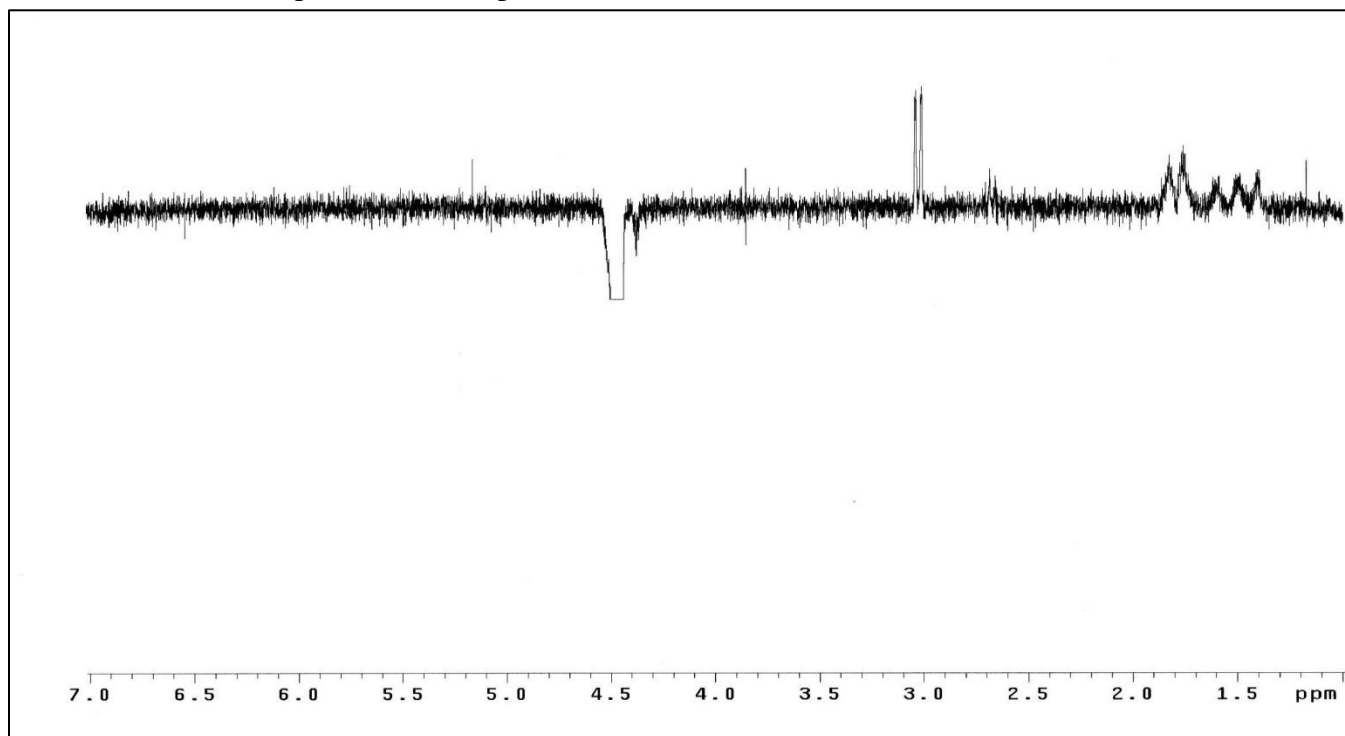
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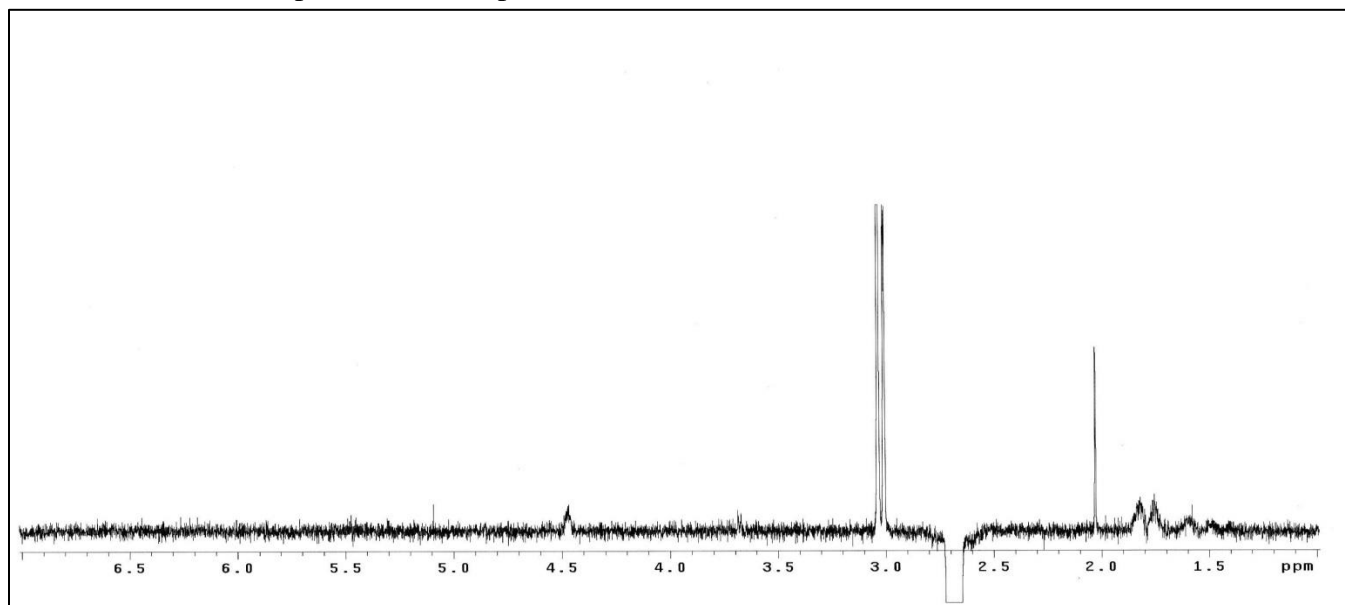
S28. HMBC spectrum of compound 4 (soudanone B), CD₃OD, 600 MHz



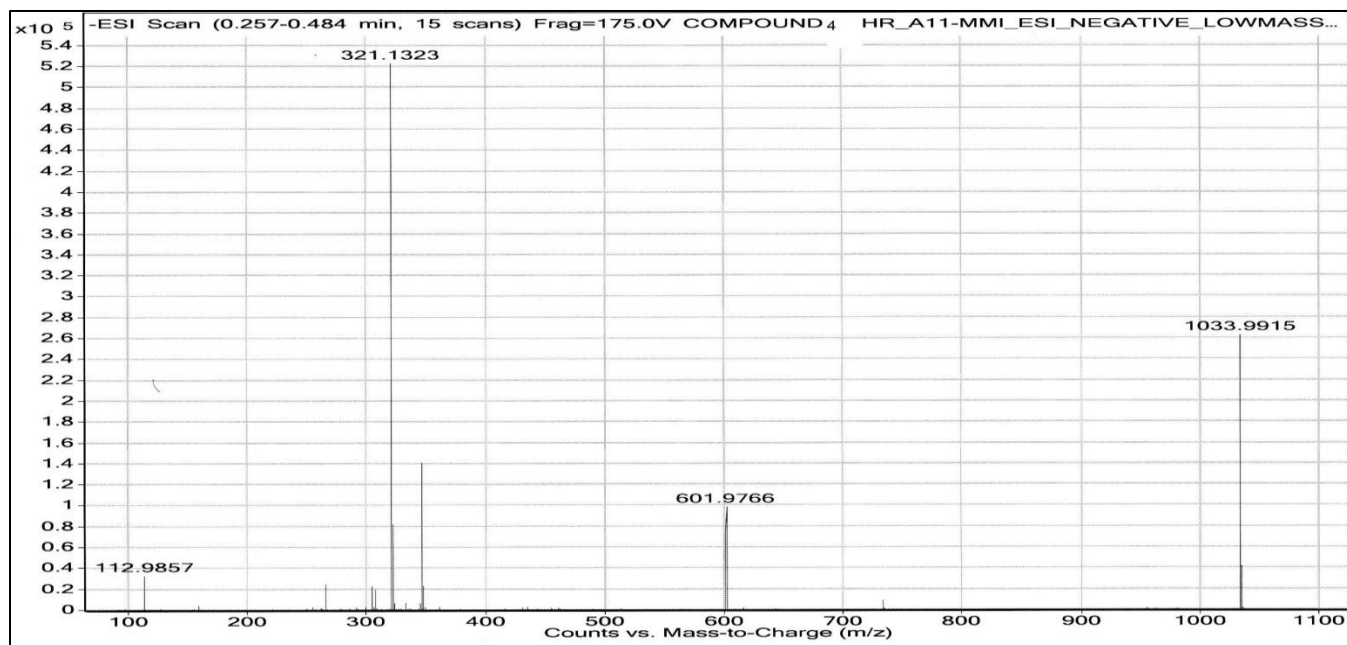
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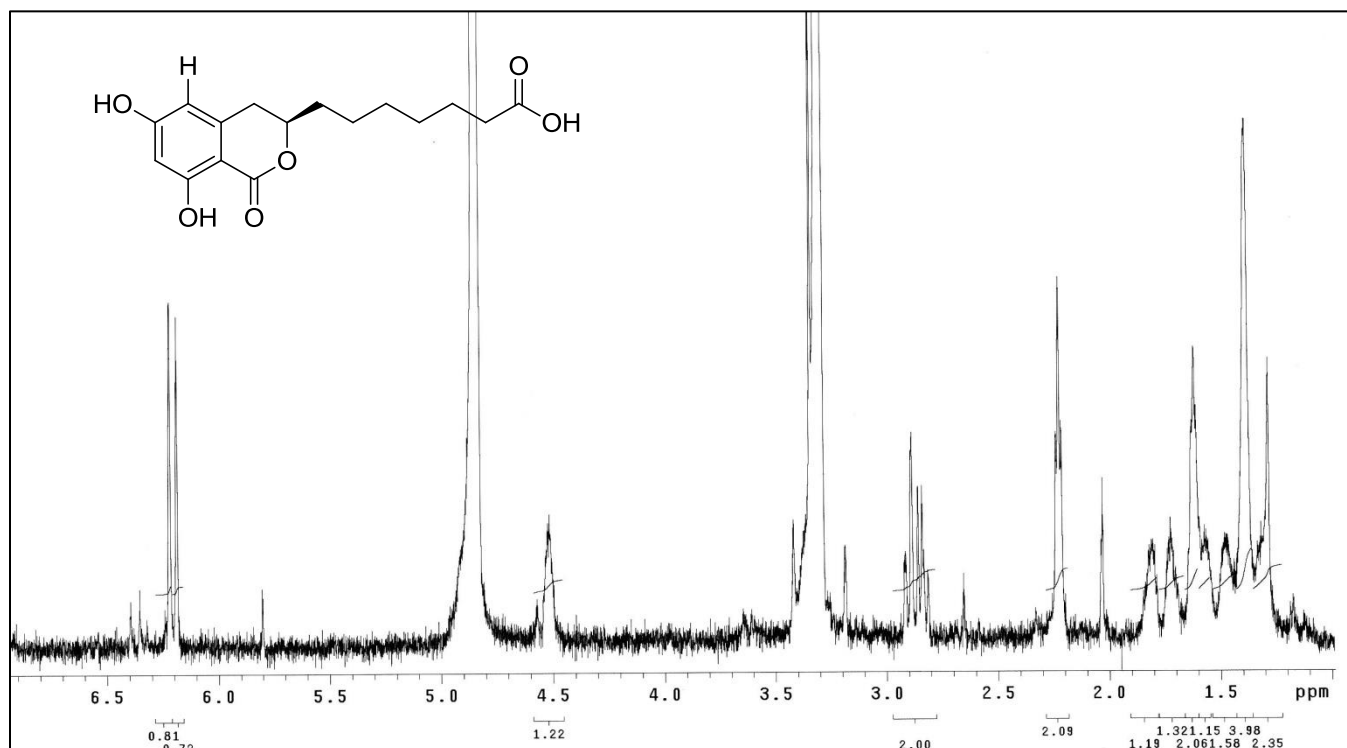
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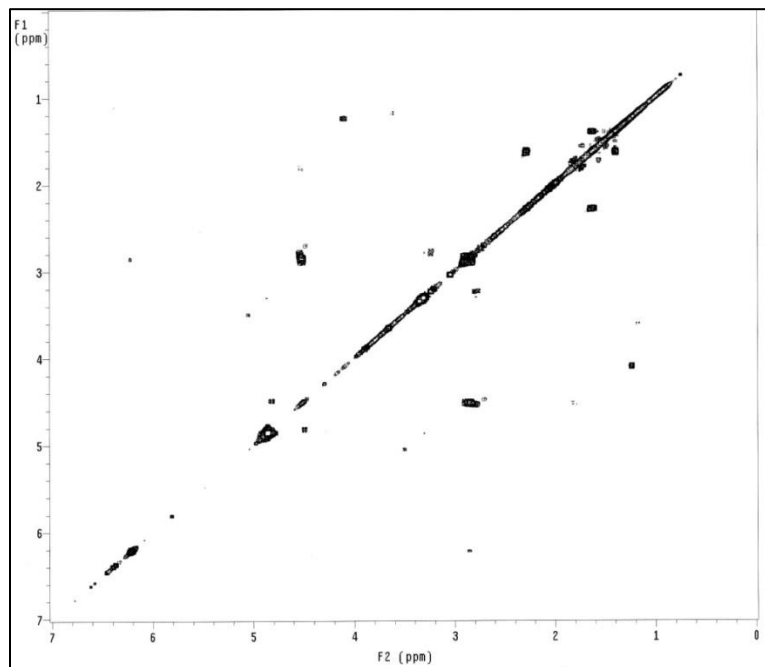
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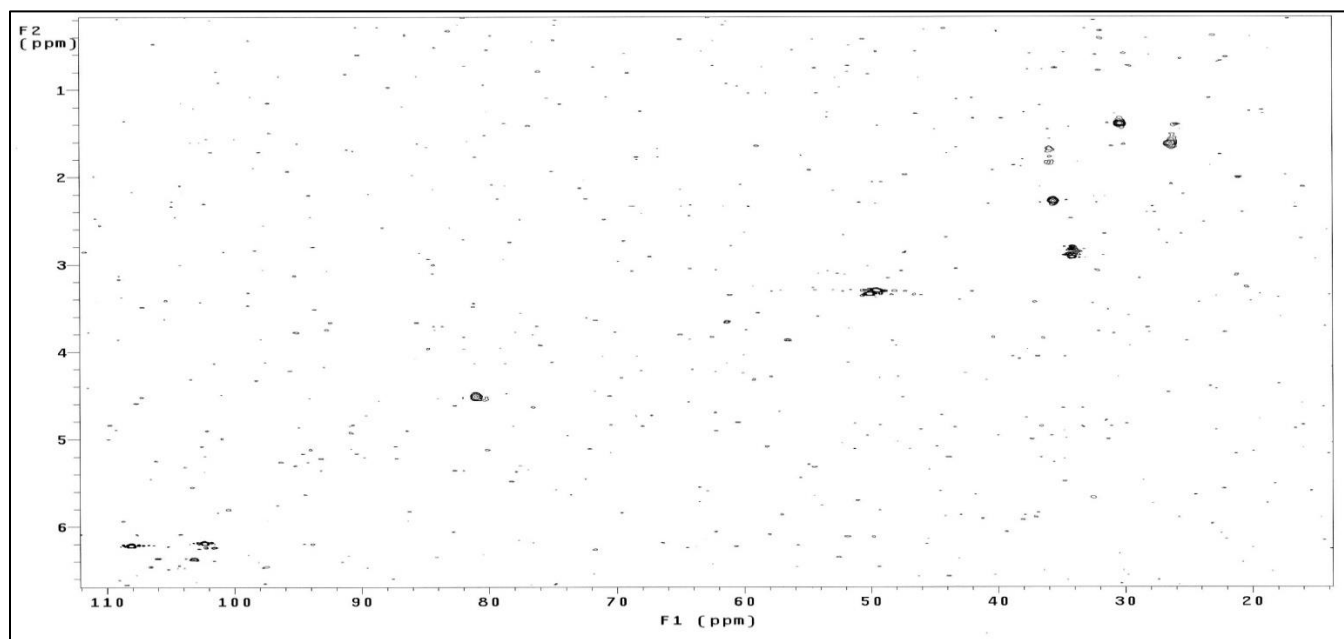
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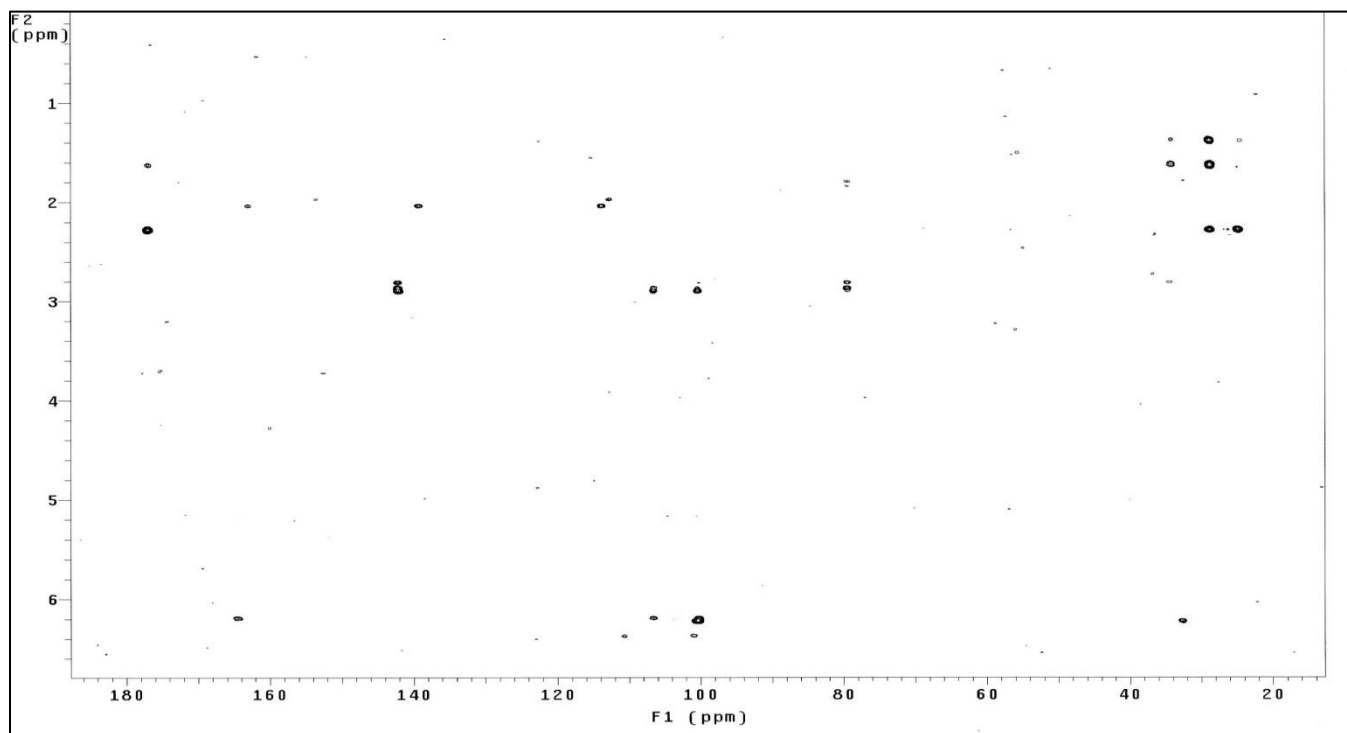
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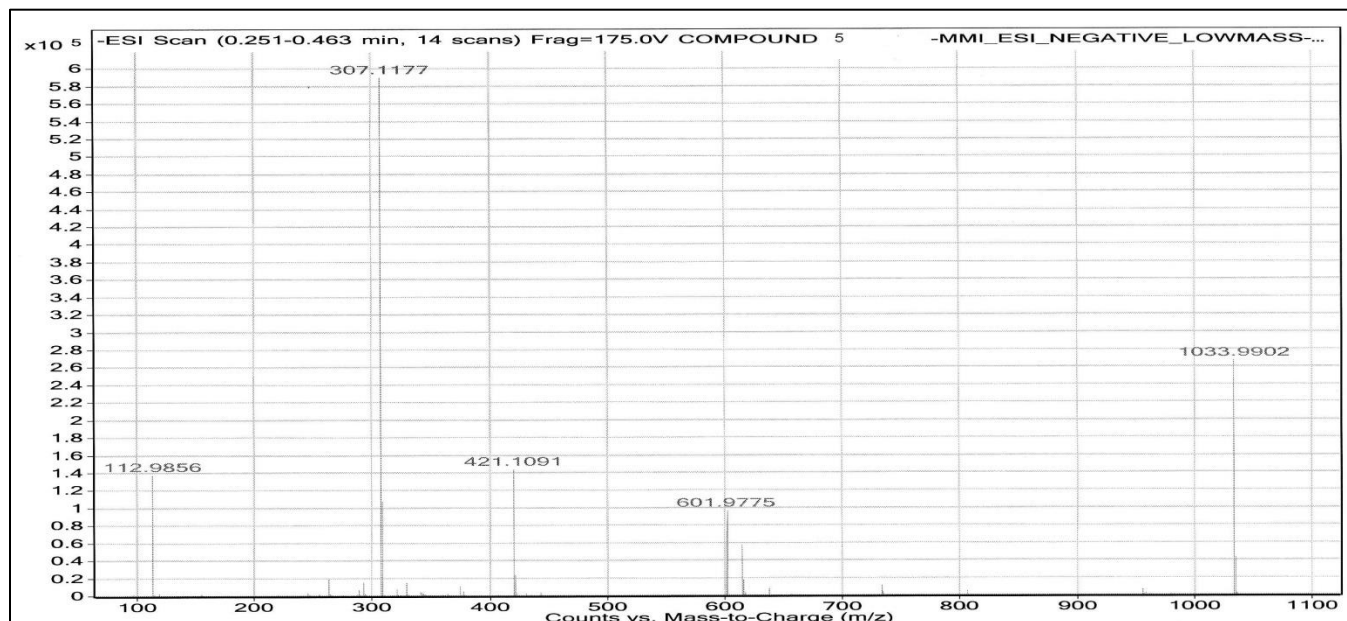
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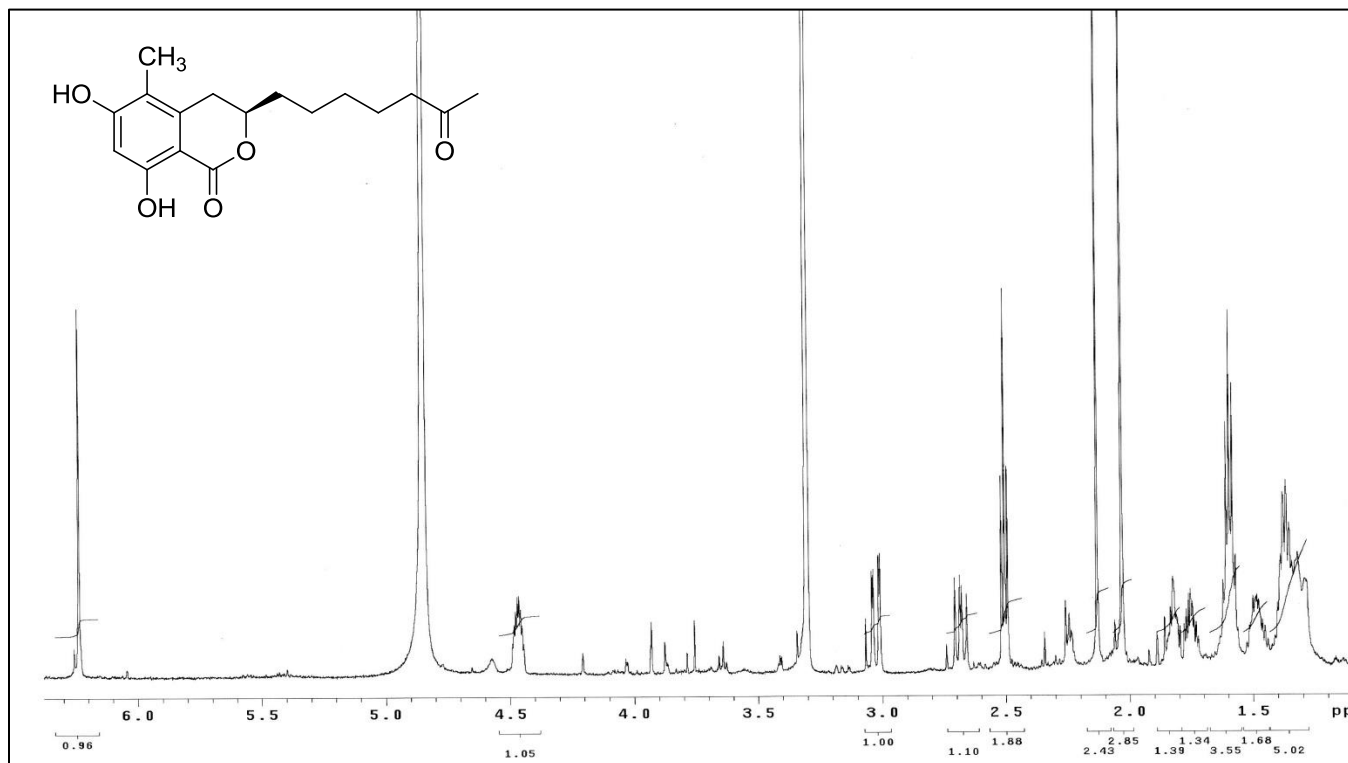
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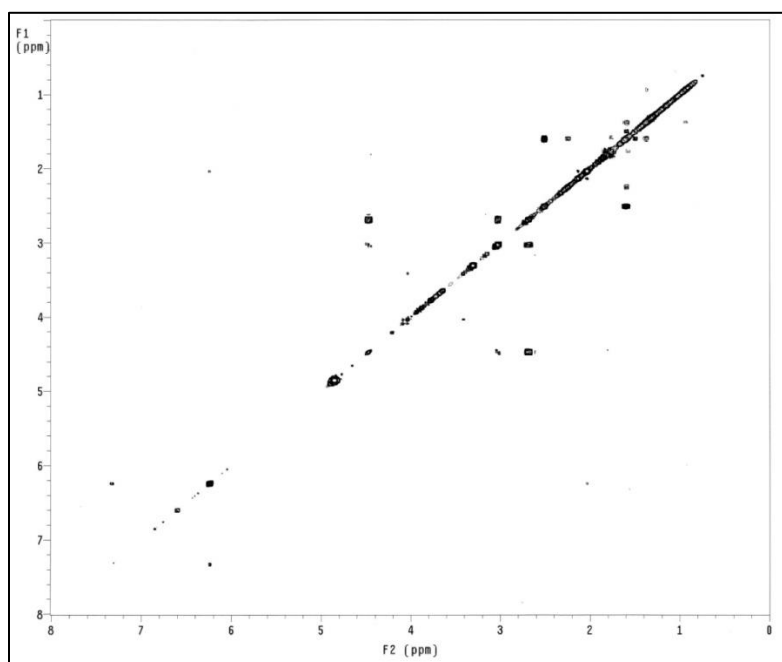
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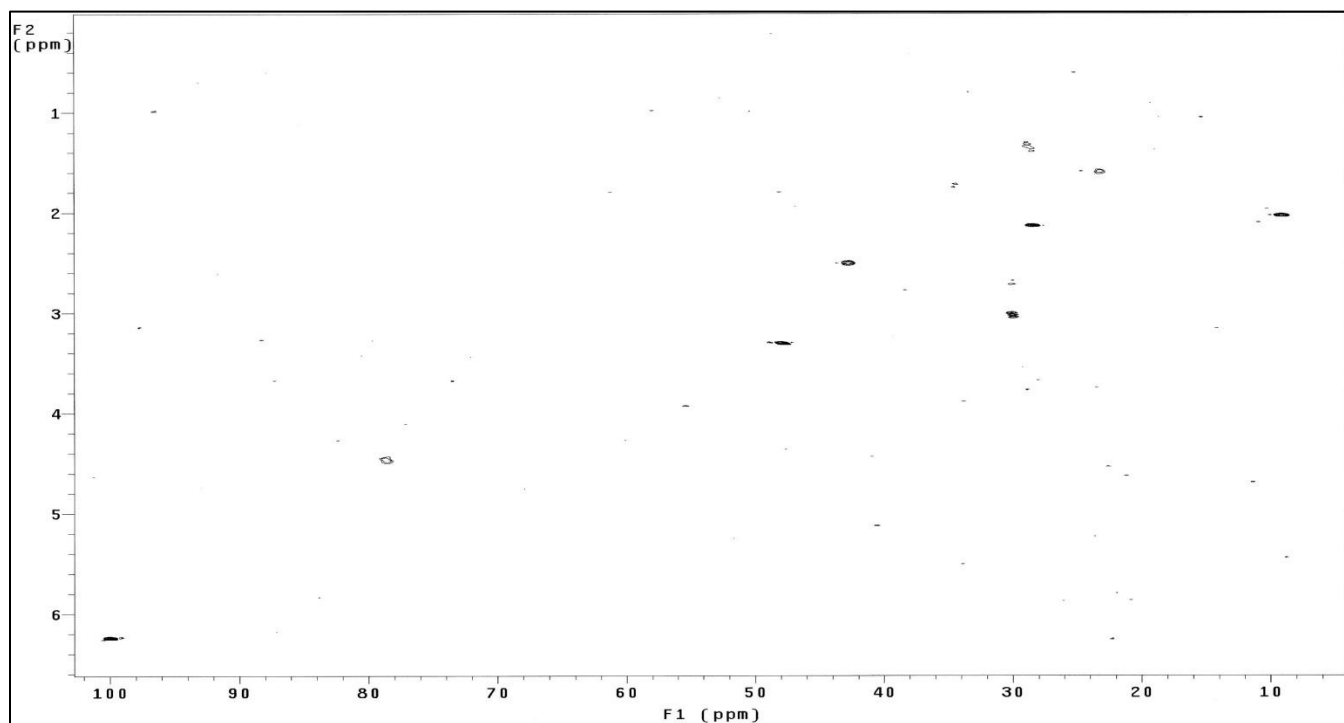
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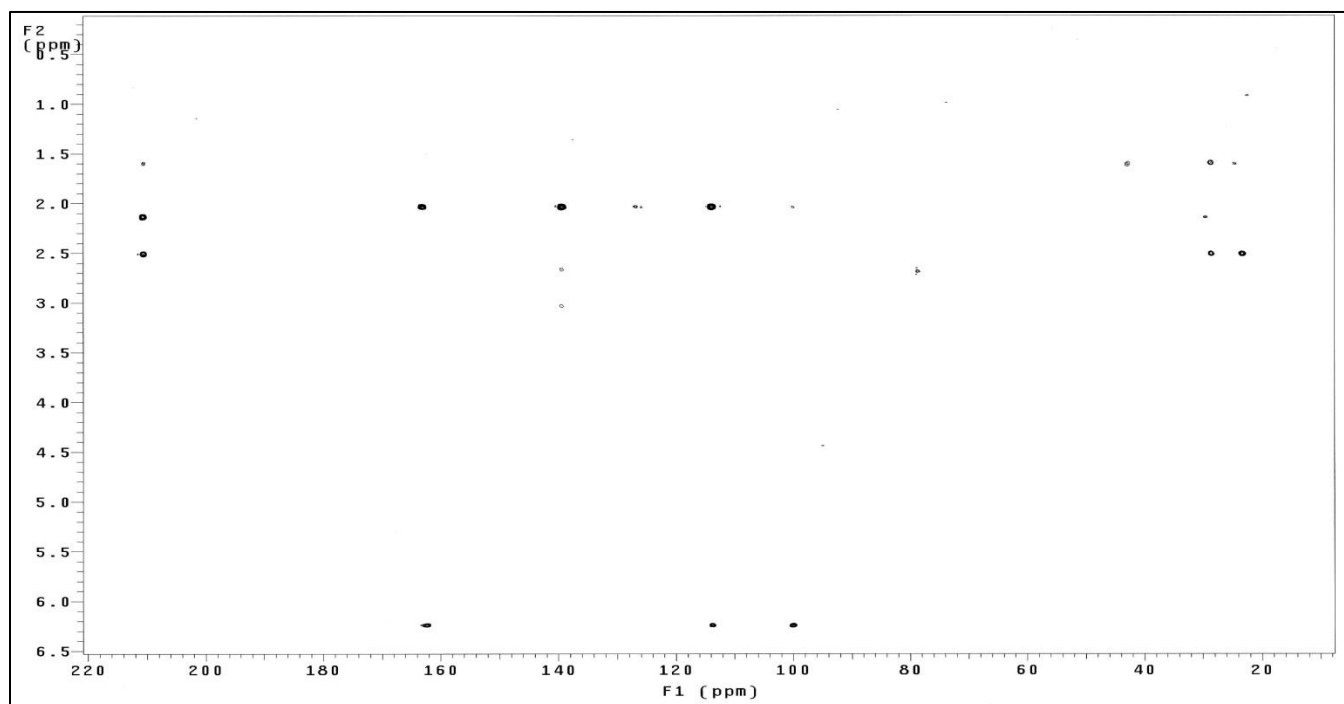
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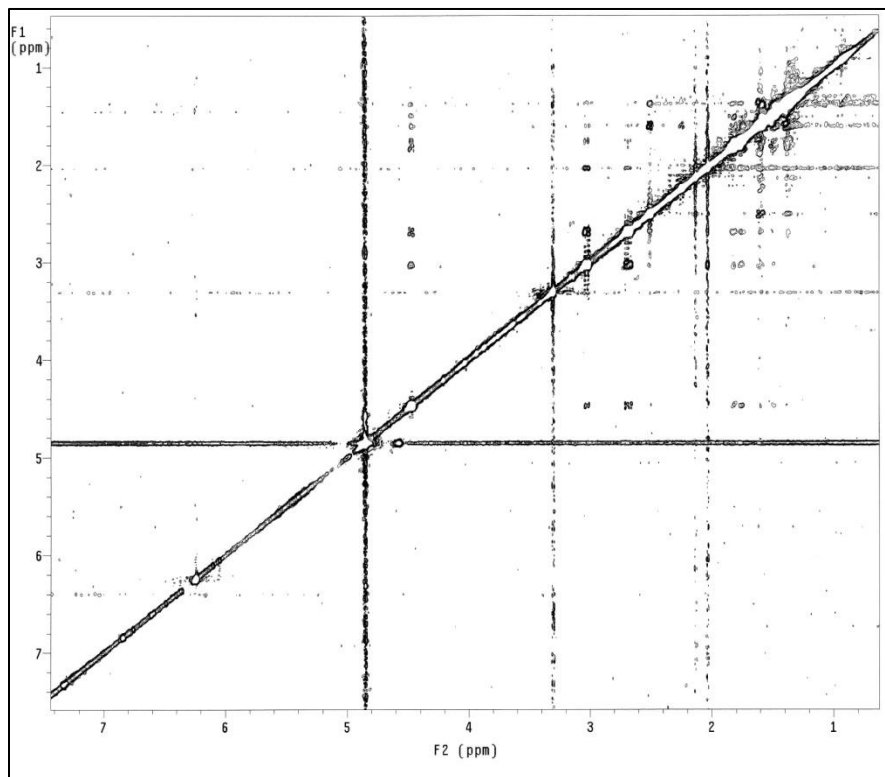
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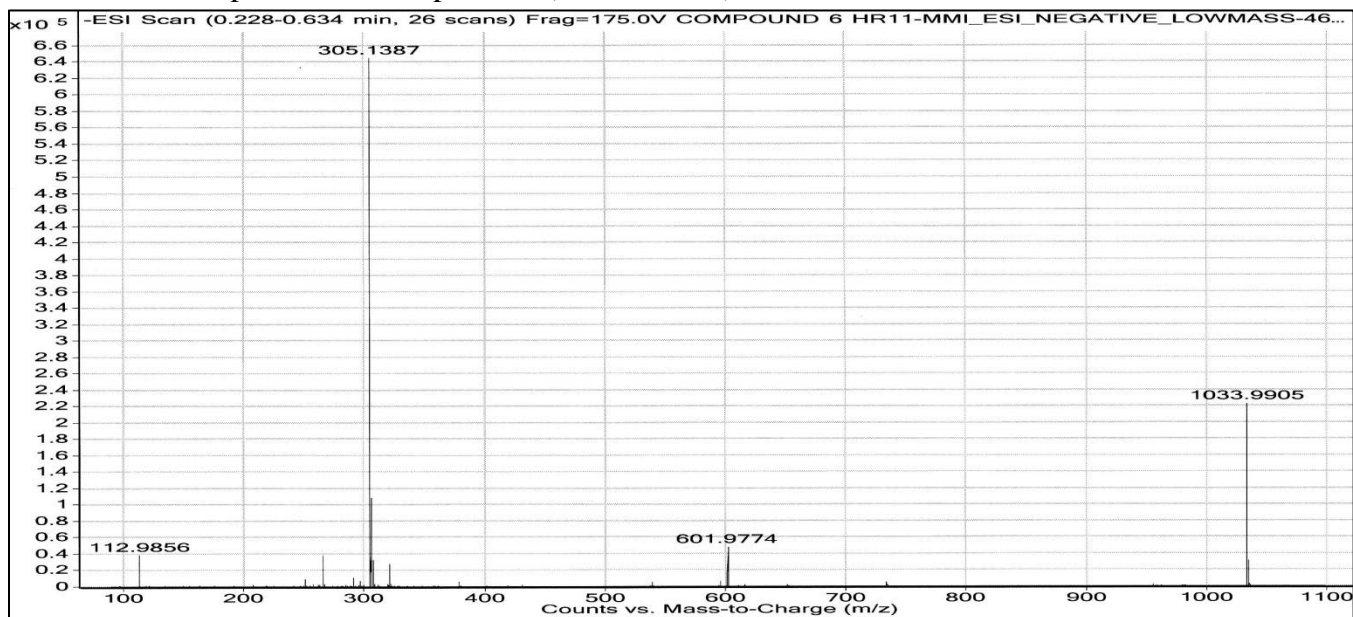
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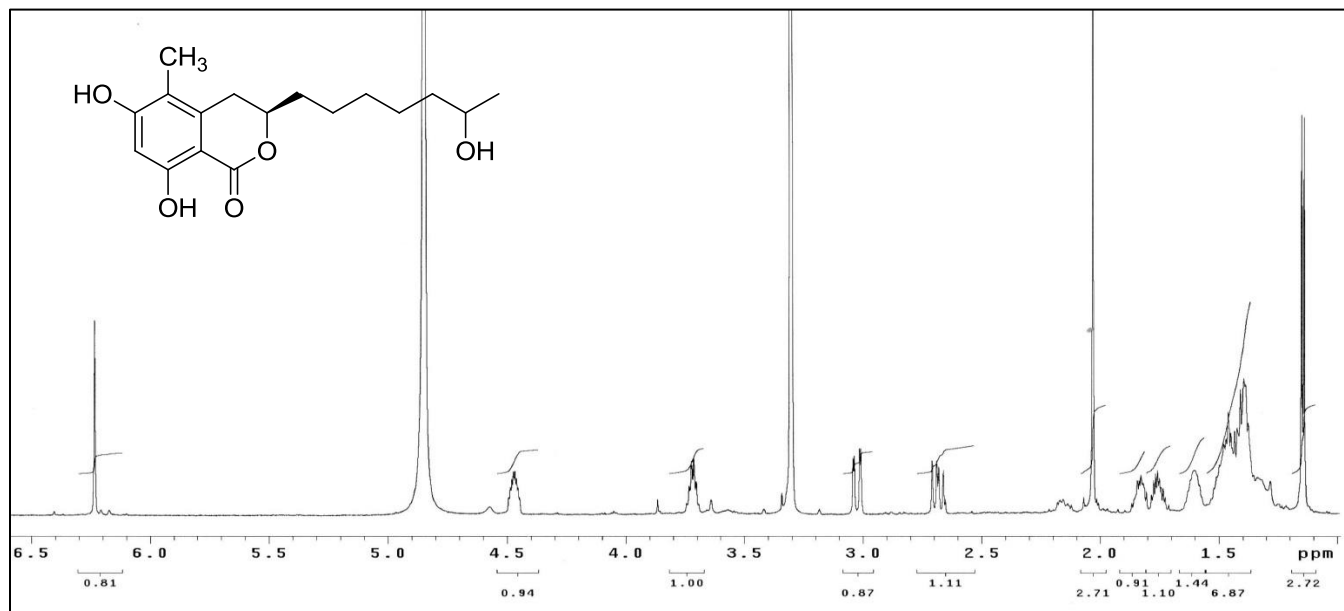
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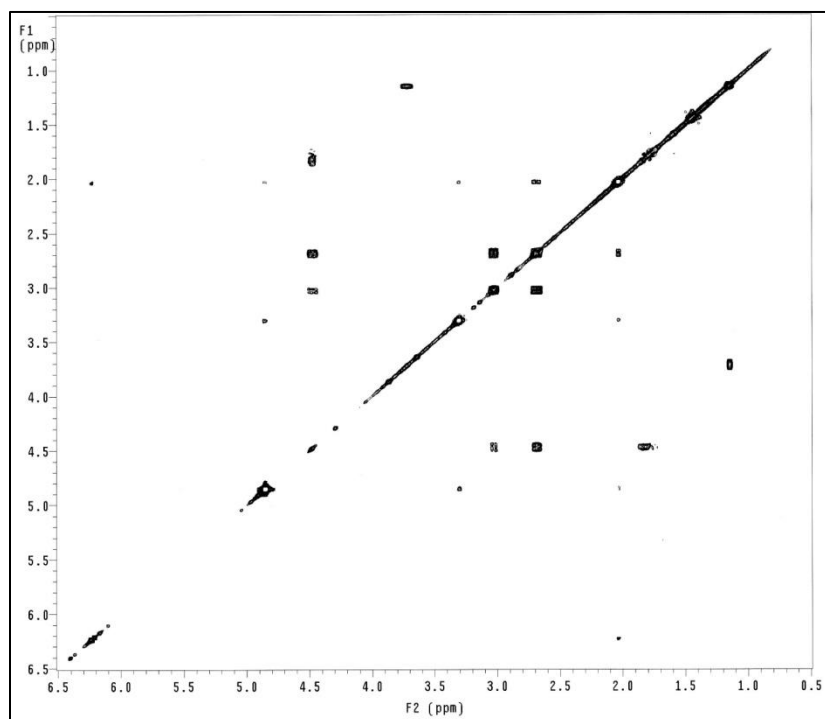
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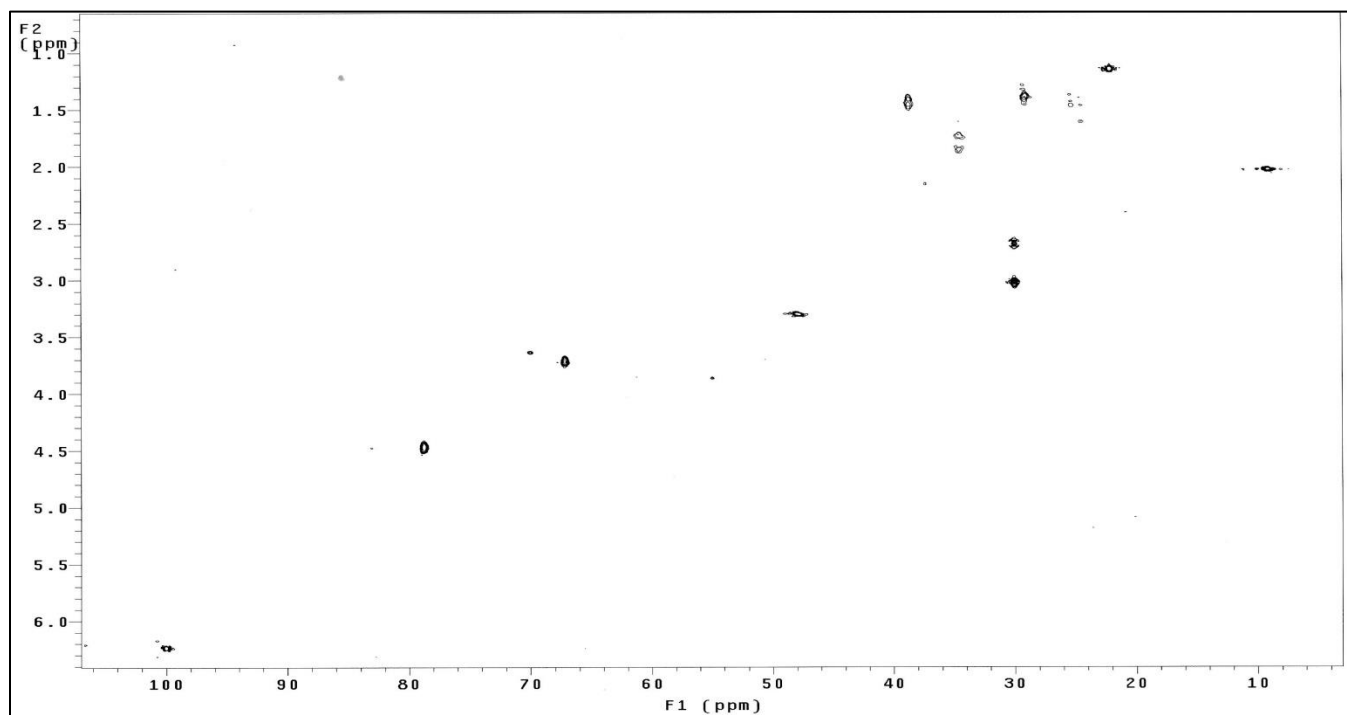
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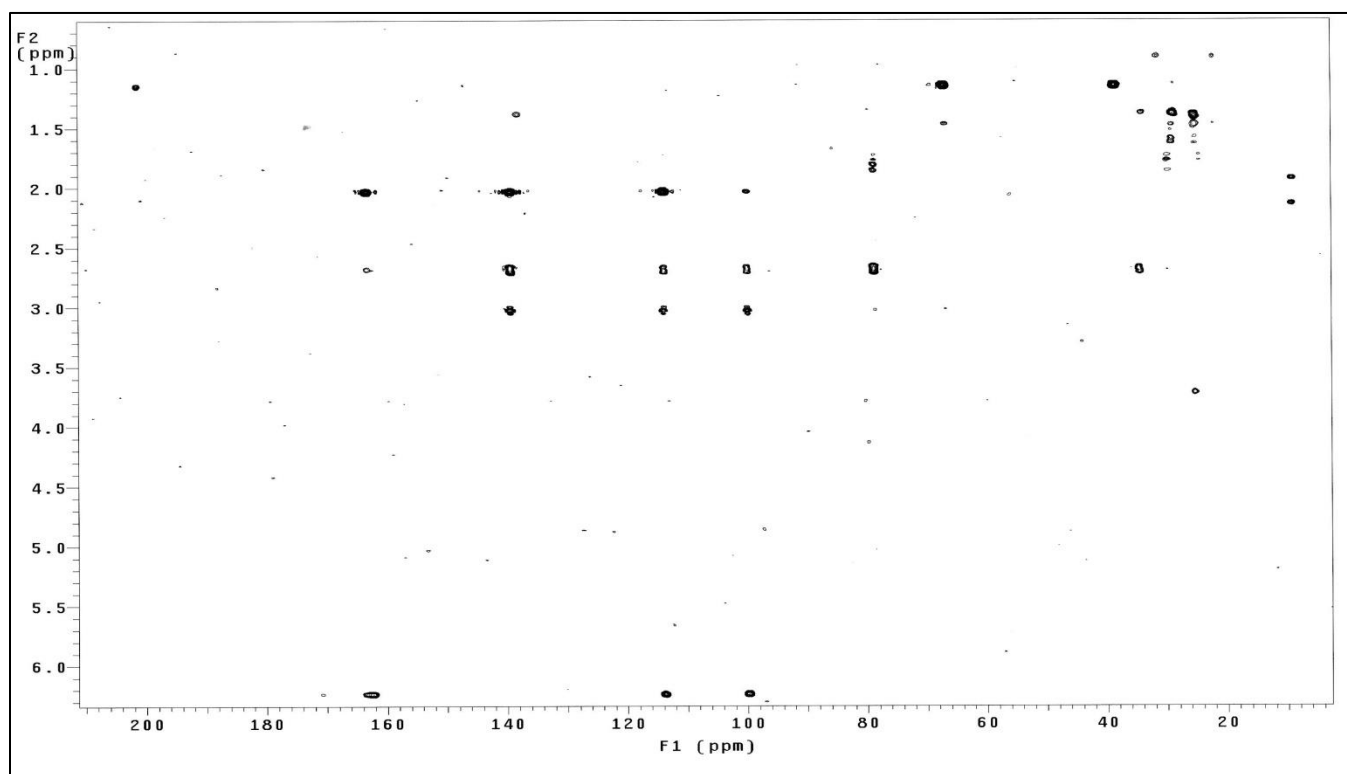
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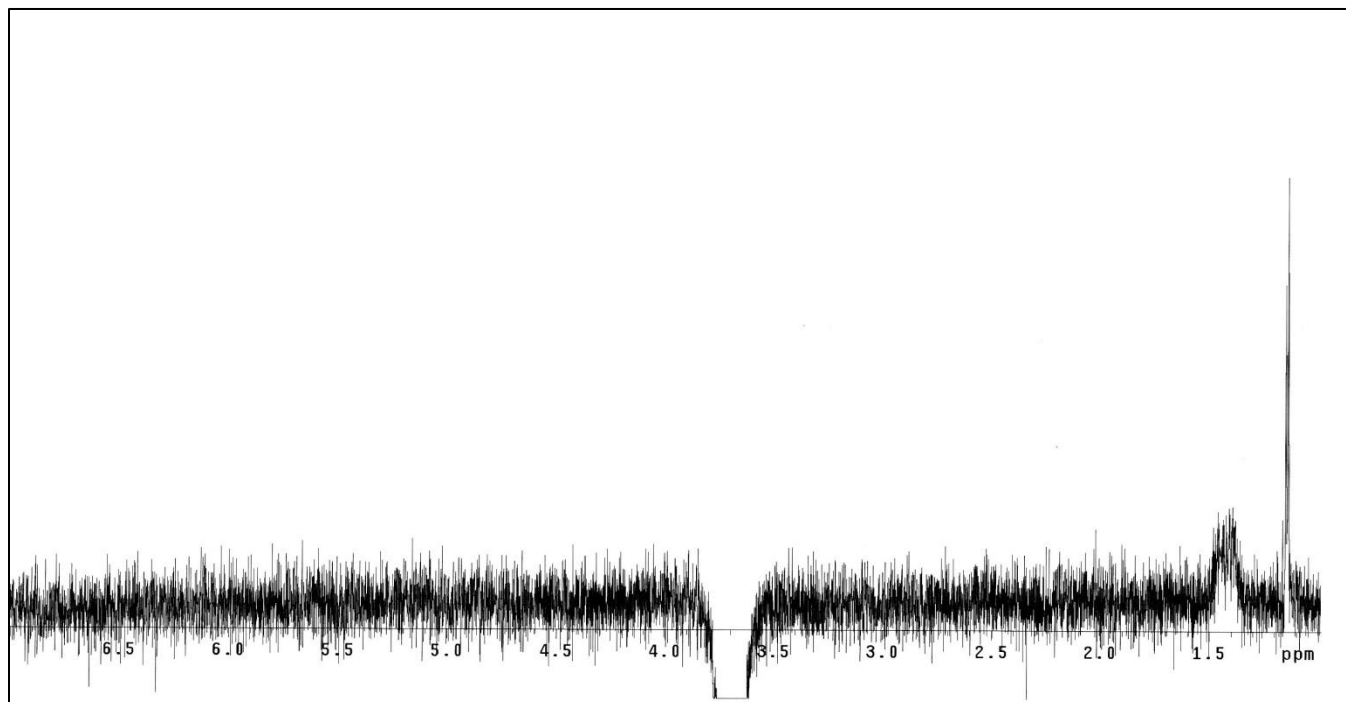
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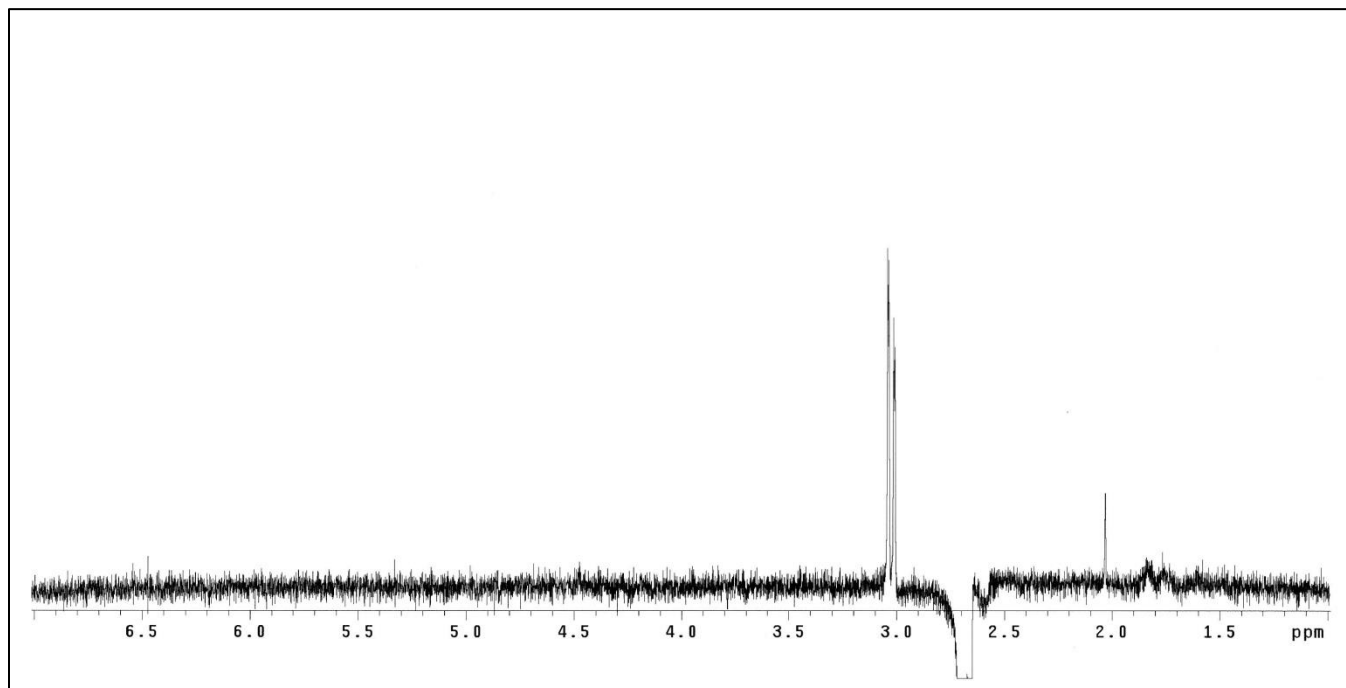
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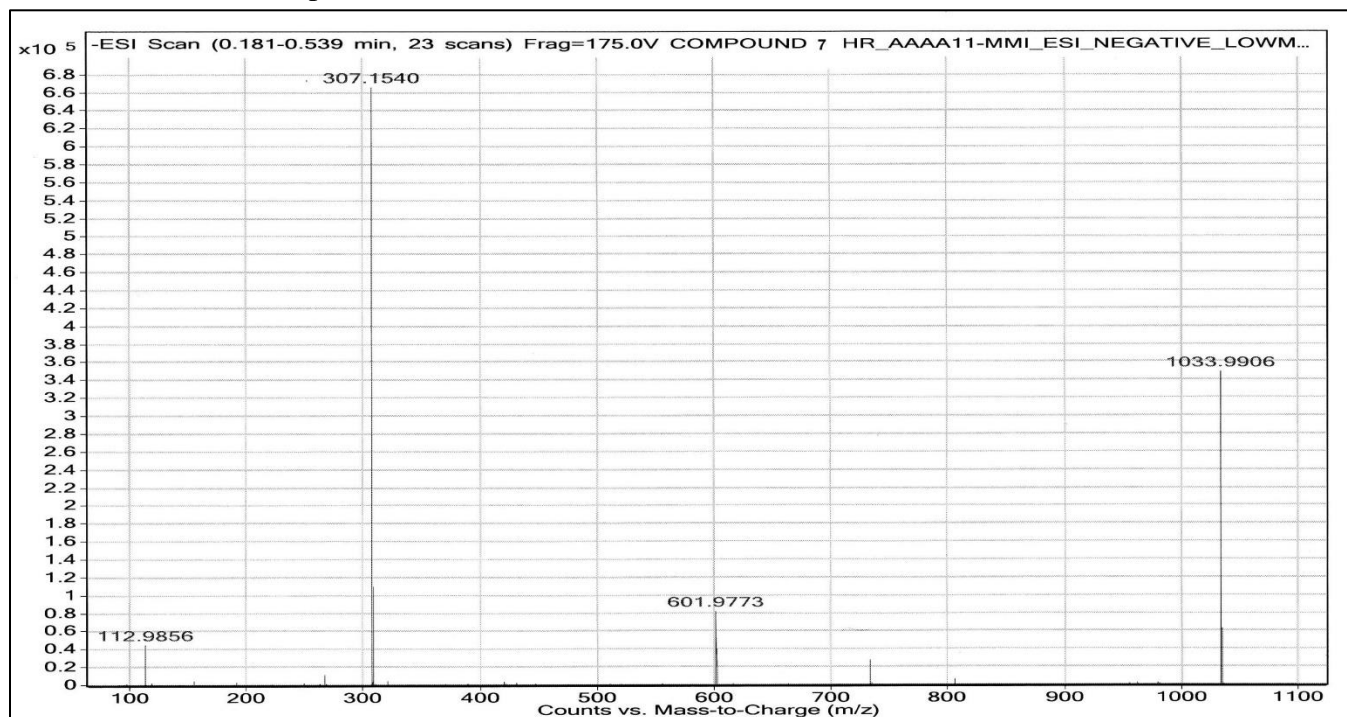
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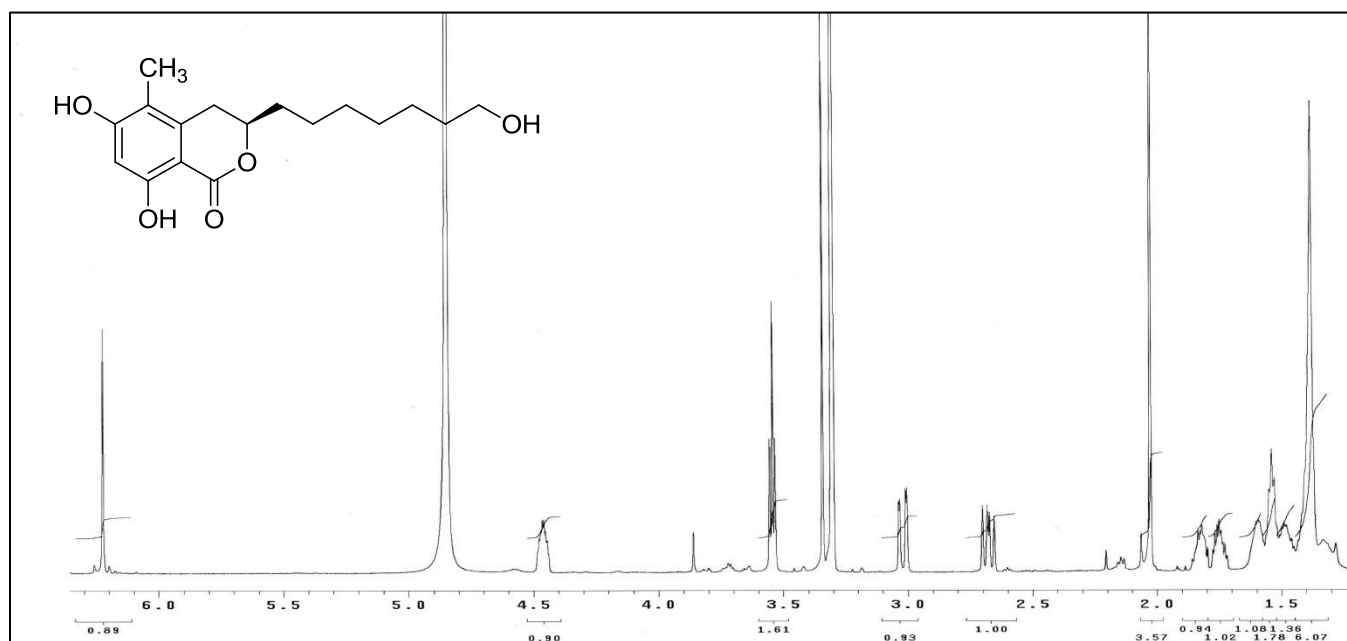
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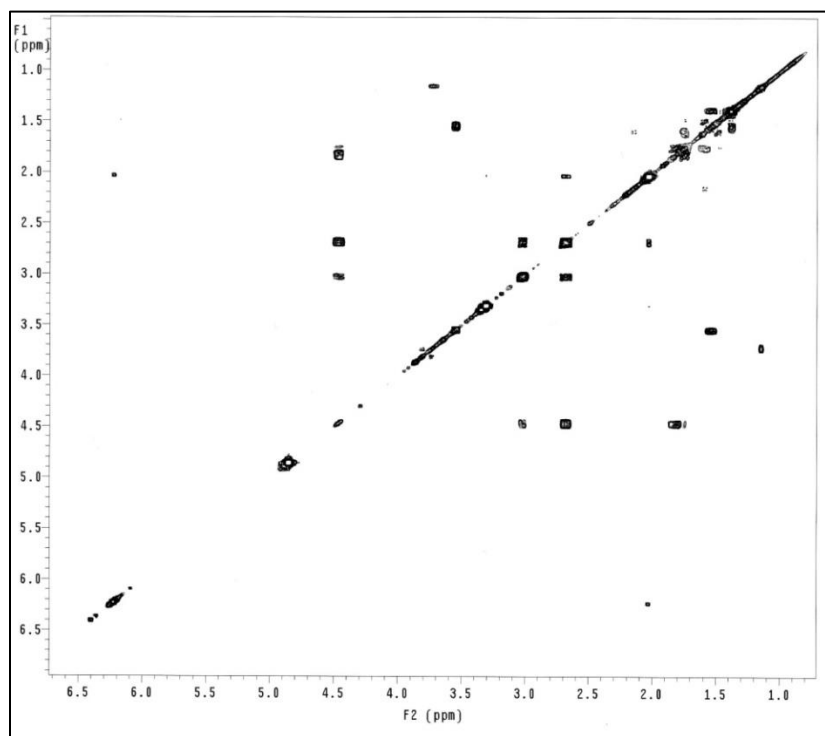
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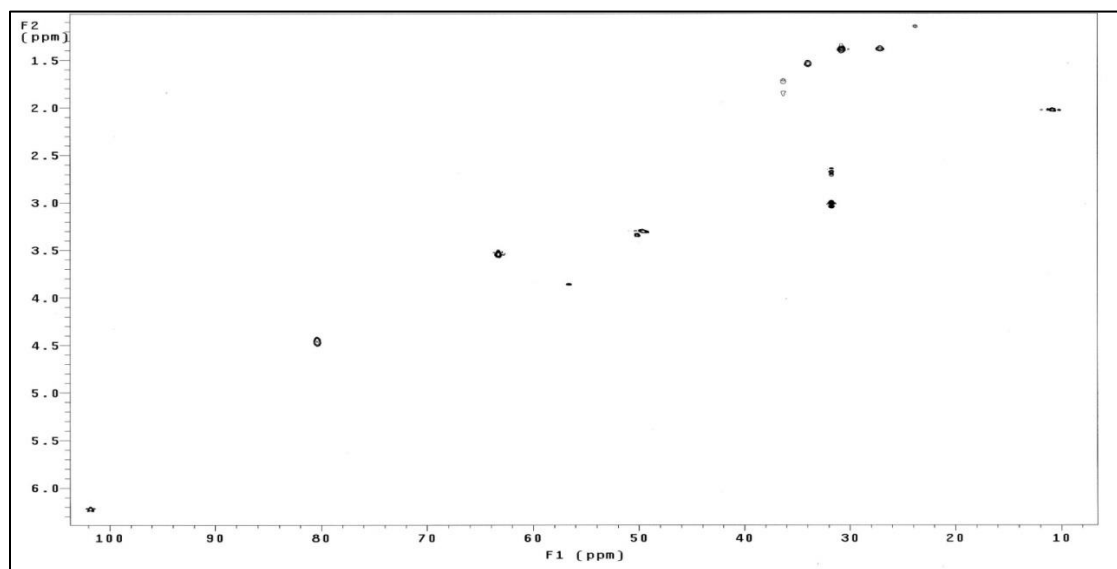
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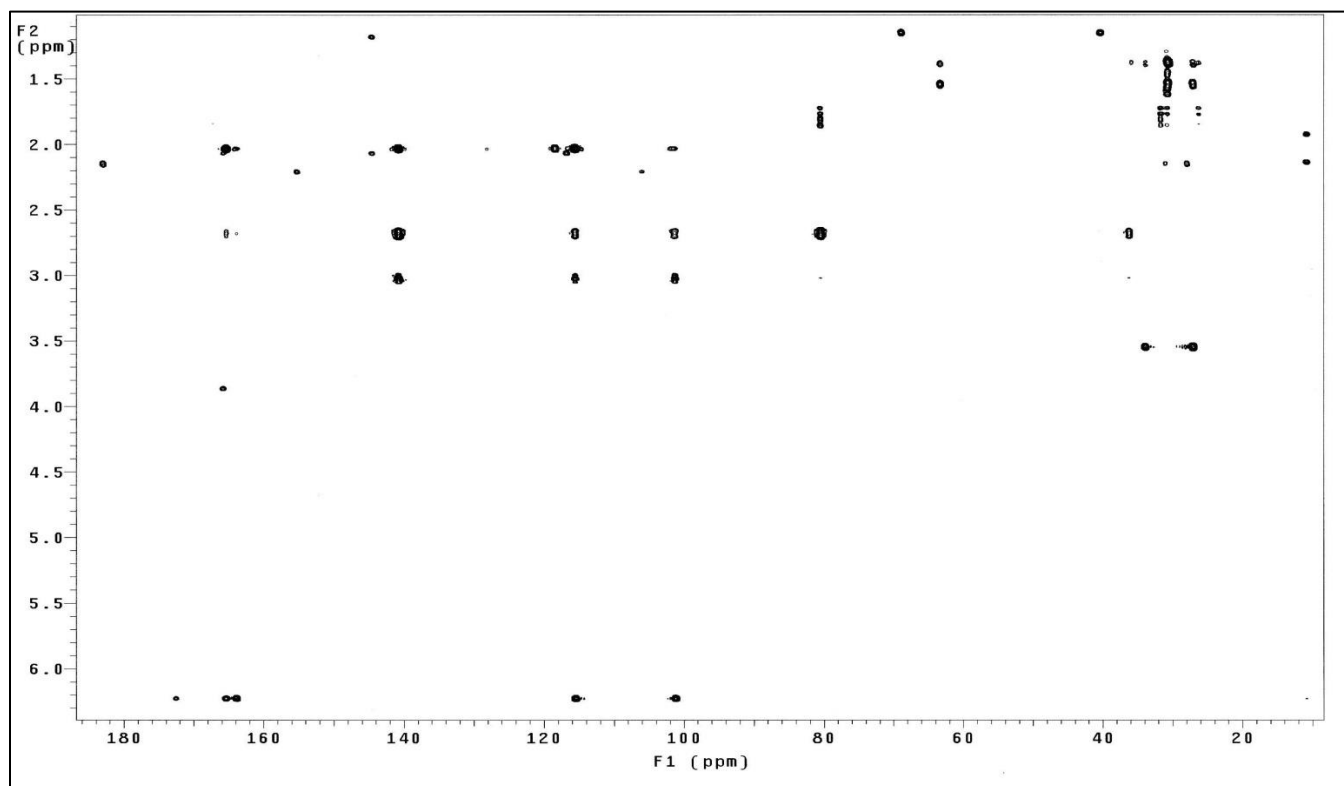
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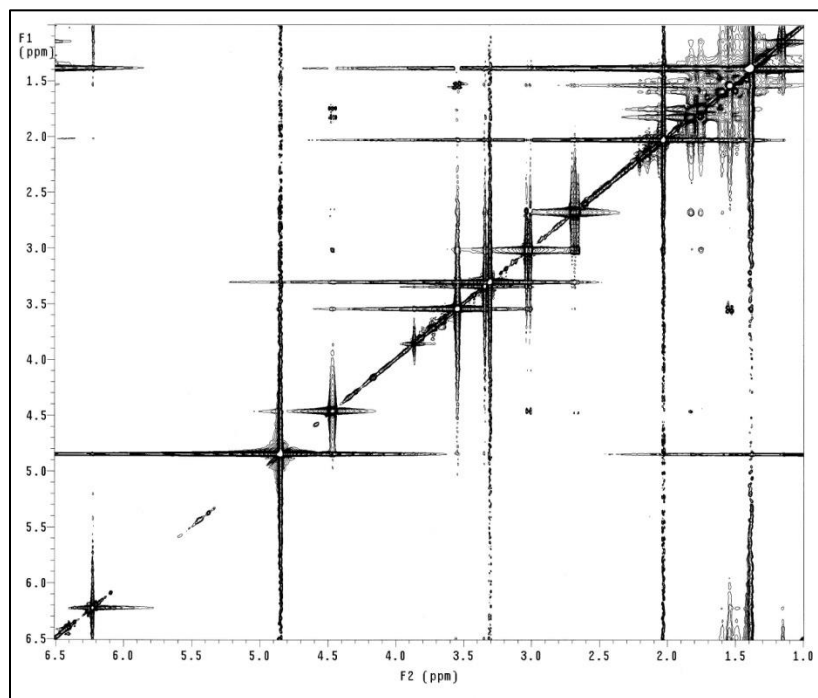
S52. HMQC spectrum of compound 8 (soudanone F), CD_3OD , 600 MHz



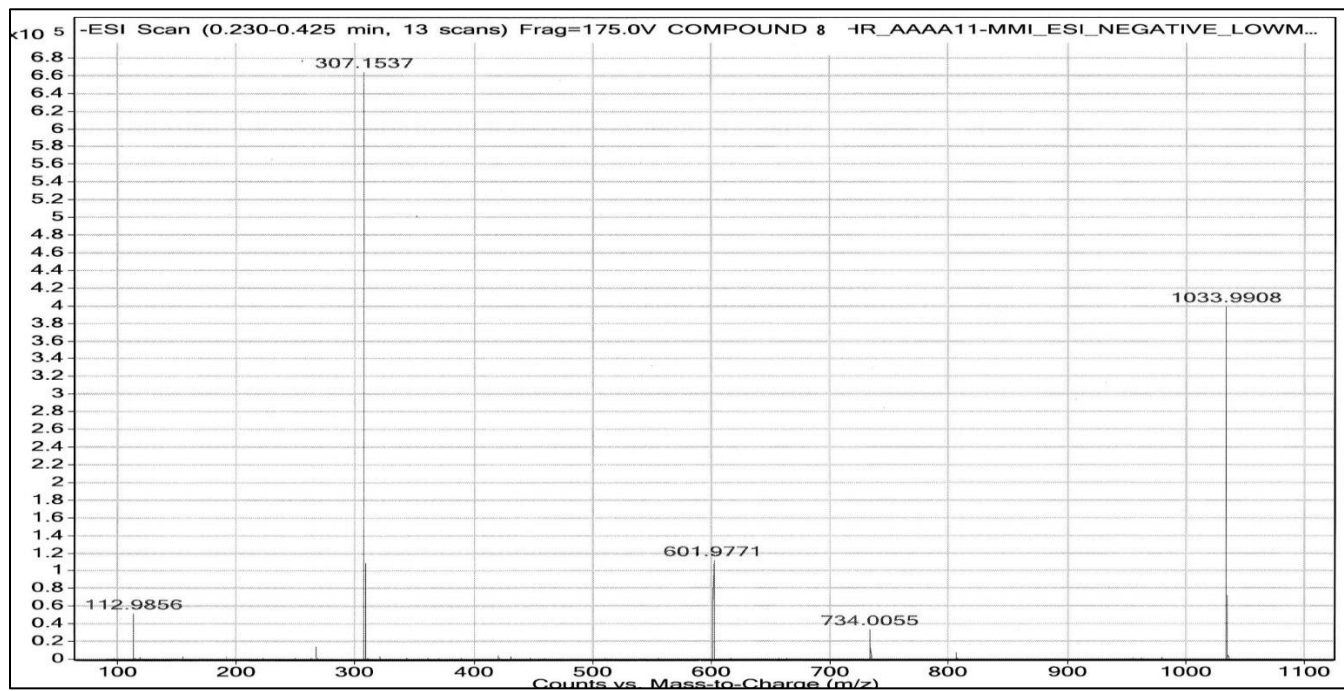
S53. HMBC spectrum of compound 8 (soudanone F), CD₃OD, 600 MHz



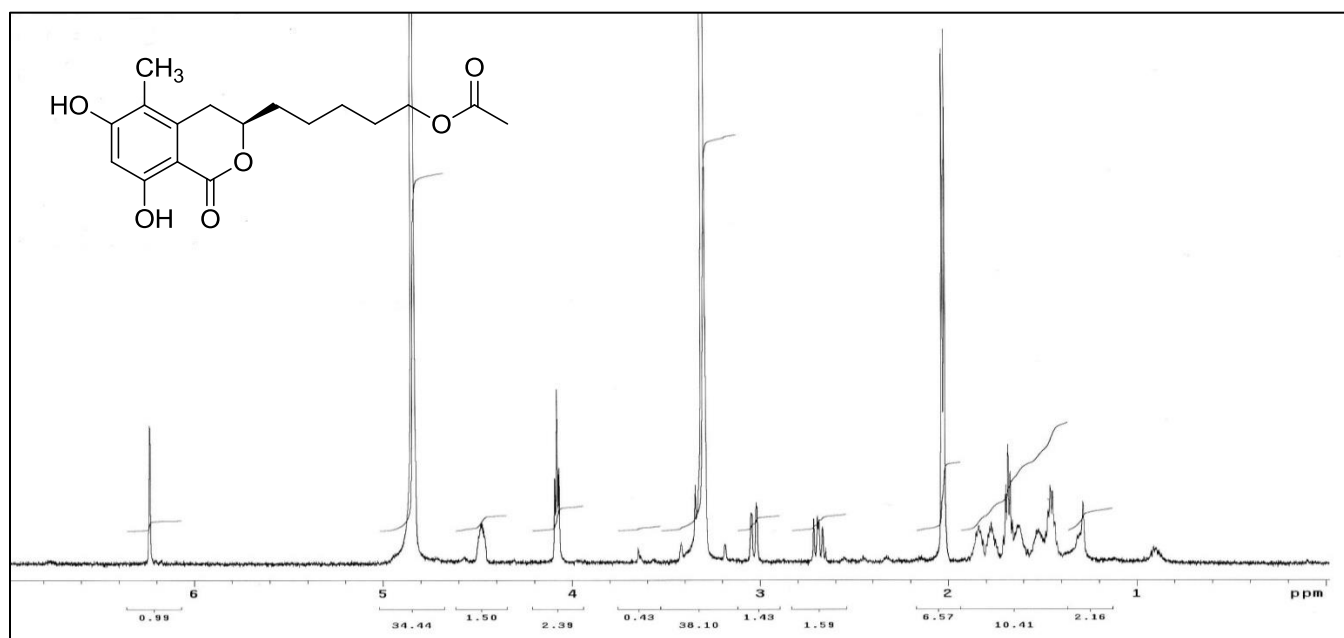
S54. NOESY spectrum of compound 8 (soudanone F), CD₃OD, 600 MHz



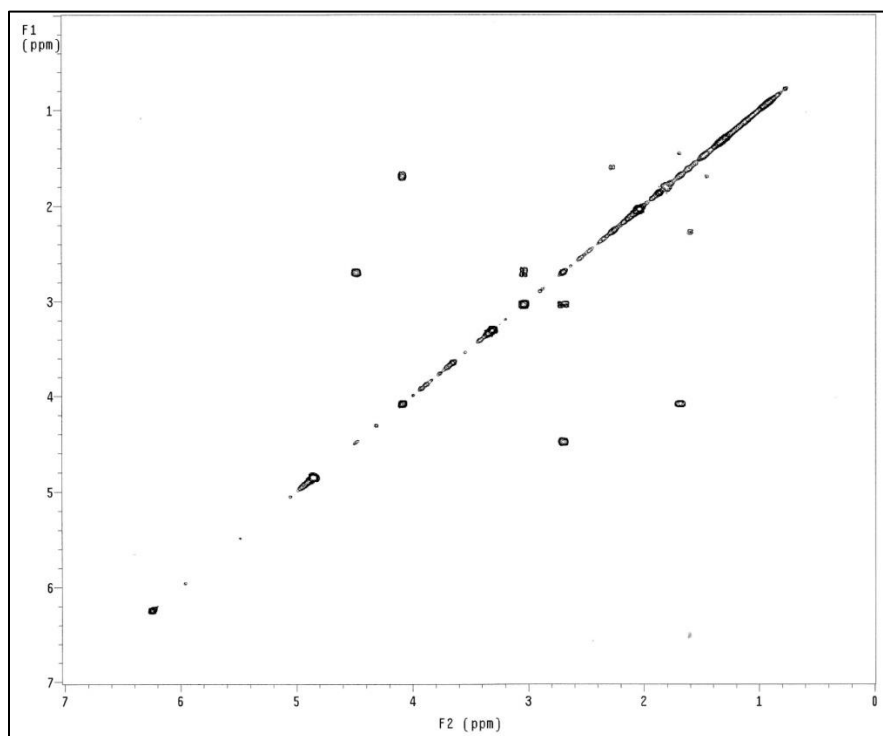
S55. HRESIMS of compound 8 (soudanone F)



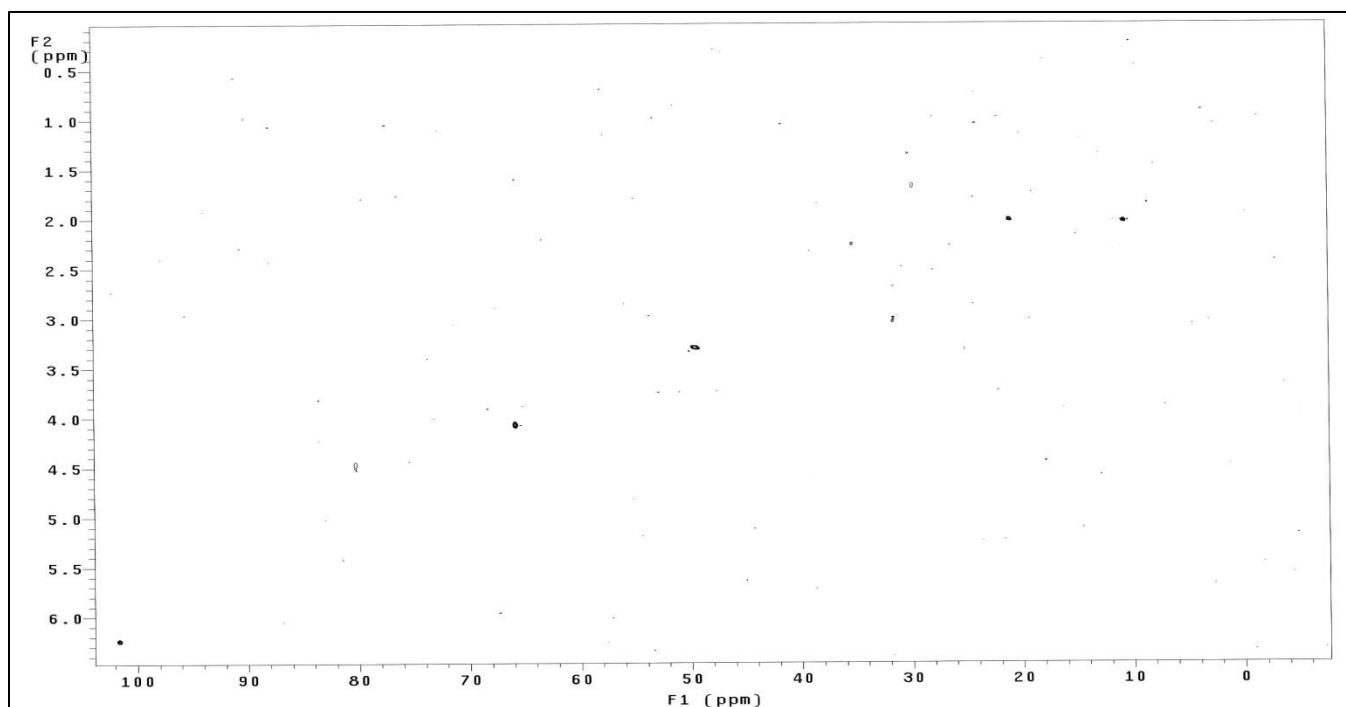
S56. ^1H NMR spectrum of compound 9 (soudanone G), CD_3OD , 600 MHz



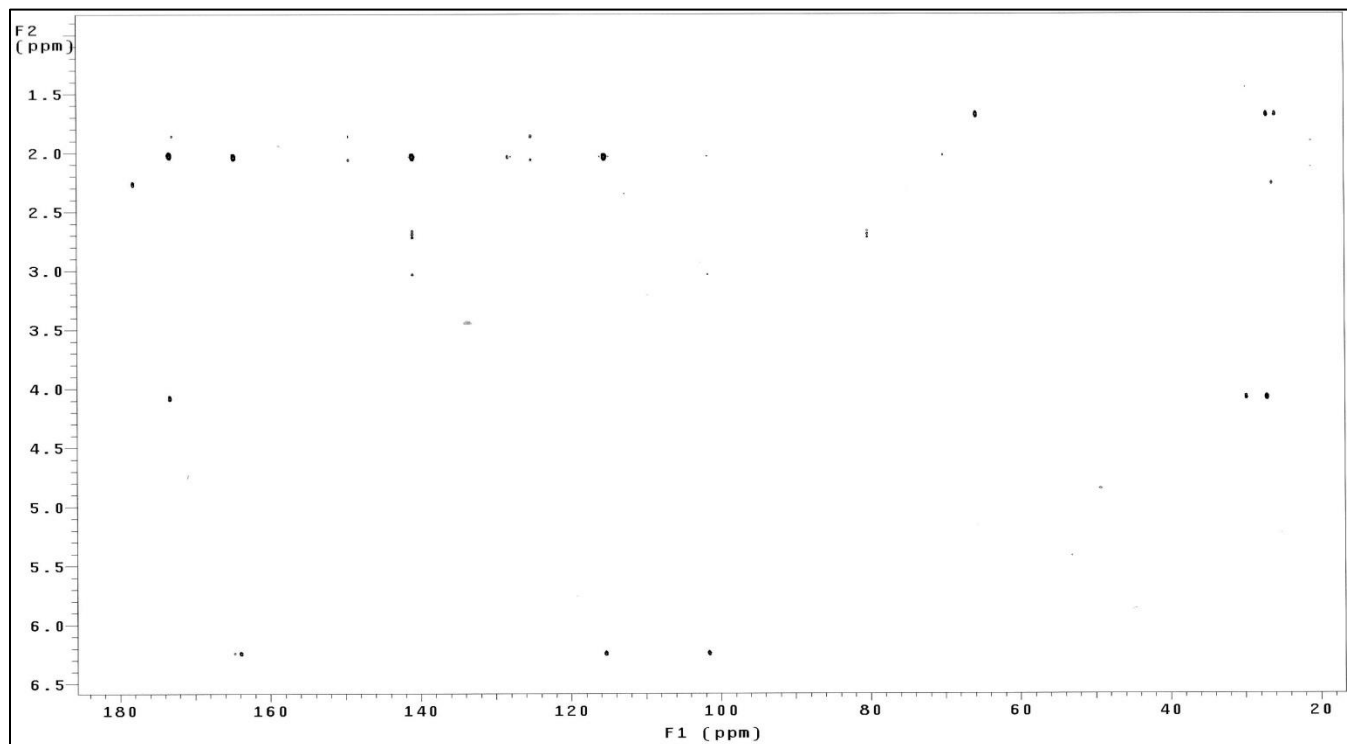
S57. ^1H COSY spectrum of compound 9 (soudanone G), CD_3OD , 600 MHz



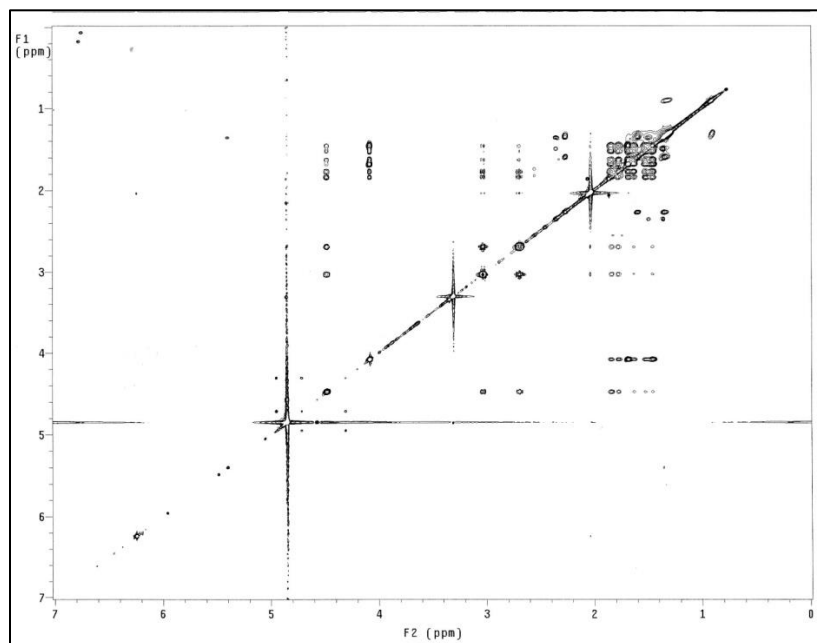
S58. HMQC spectrum of compound 9 (soudanone G), CD_3OD , 600 MHz



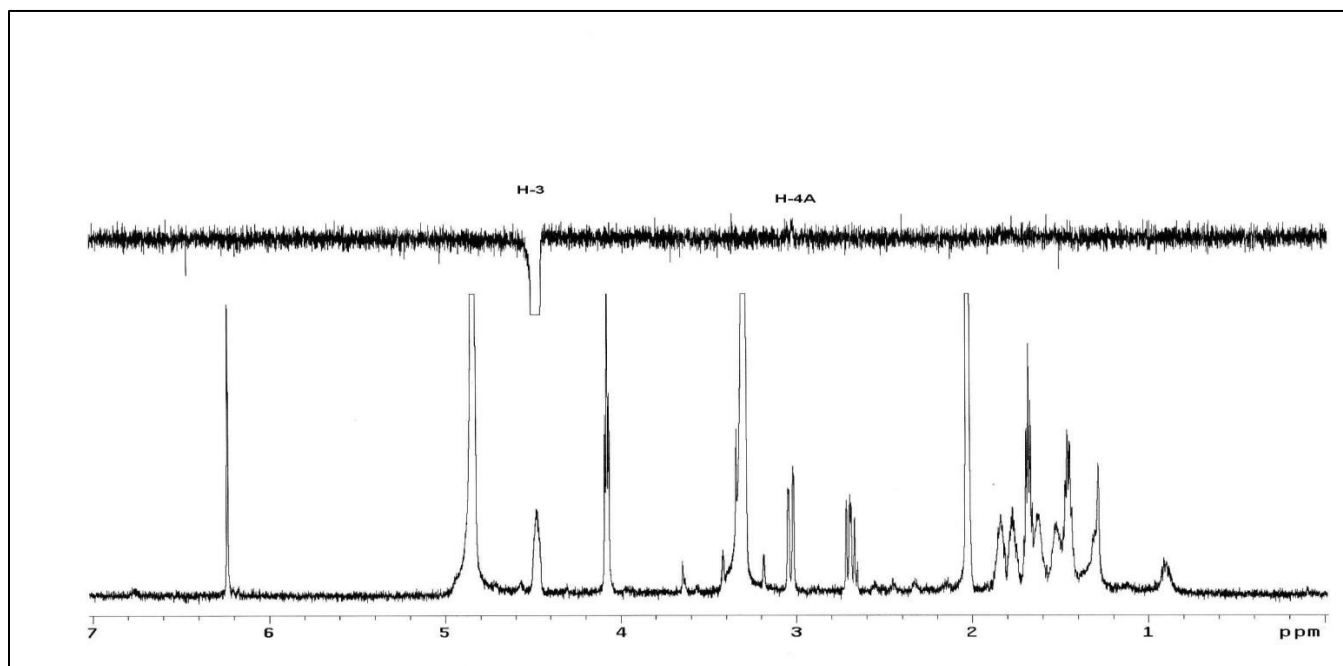
S59. HMBC spectrum of compound 9 (soudanone G), CD₃OD, 600 MHz



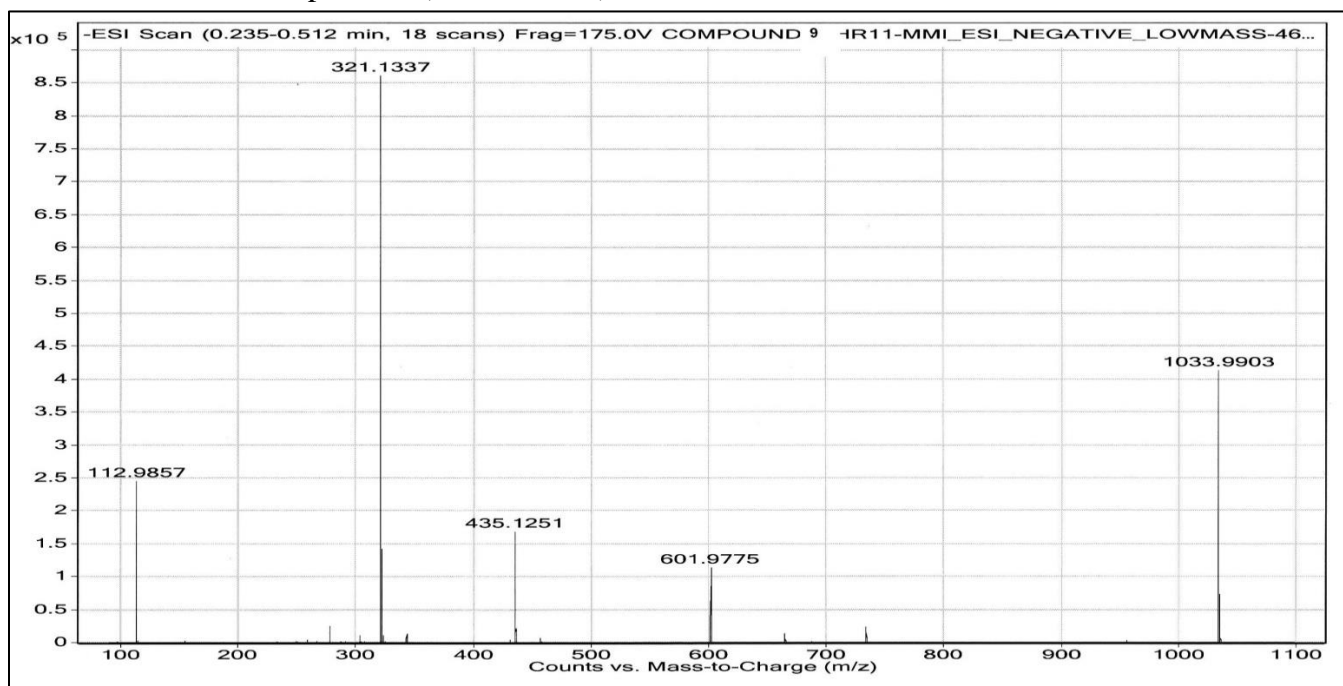
S60. TOCSY spectrum of compound 9 (soudanone G), CD₃OD, 600 MHz

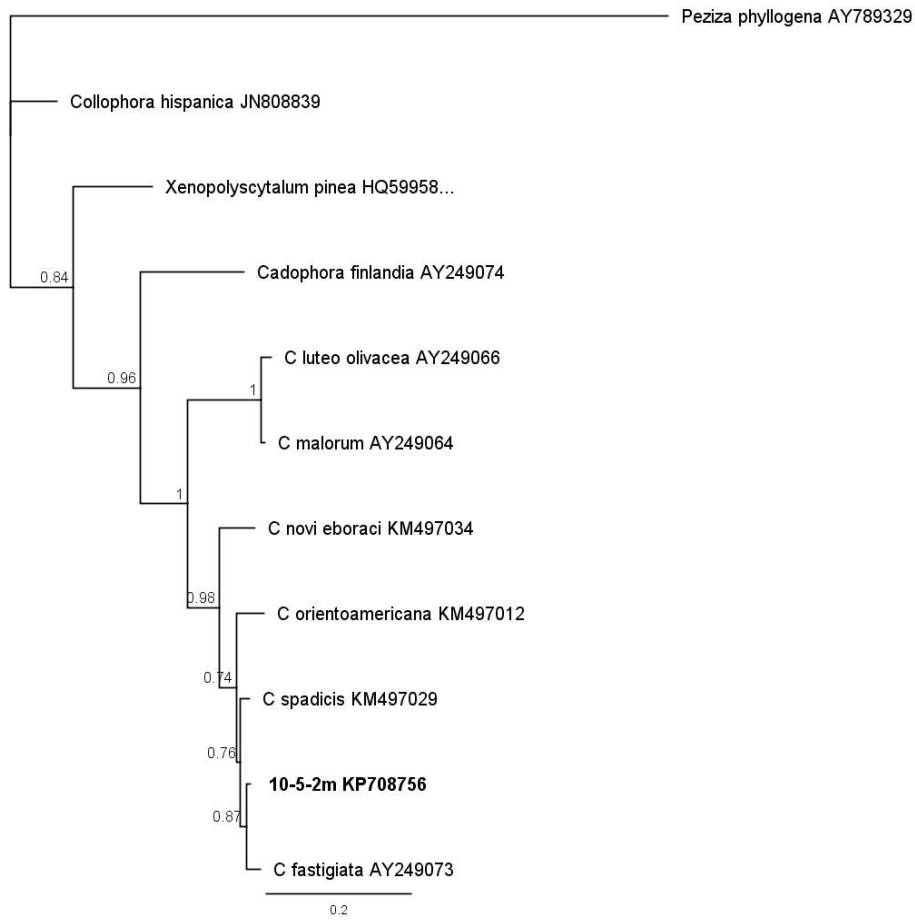


S61. NOE difference spectrum of compound 9 (soudanone G), CD₃OD, 600 MHz



S62. HRESIMS of compound 9 (soudanone G)





S63. Phylogenetic tree constructed using Bayesian analysis of the ITS region of rDNA which shows the isolate used in this study (10-5-2m in bold) as compared to other *Cadophora* species. The most closely described species to isolate #10-5-2m is *Cadophora fastigiata*. Bayesian posterior probabilities ≥ 0.70 are displayed above branch nodes.