Melosuavines A–H, Cytotoxic Bisindole Alkaloid Derivatives from *Melodinus suaveolens*

Ya-Ping Liu, Yun-Li Zhao, Tao Feng, Gui-Guang Cheng, Bao-Hong Zhang, Yan Li, Xiang-Hai Cai* and Xiao-Dong Luo*

Supporting Information

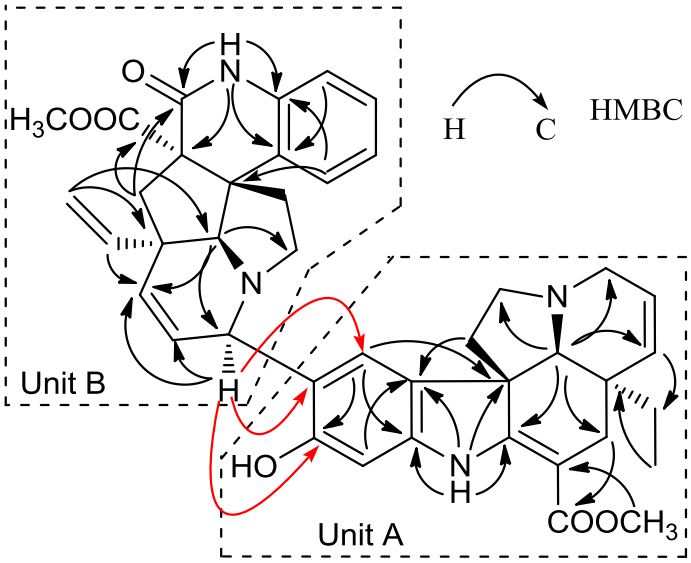


Figure 1S. Selected HMBC correlations of Melosuavine A (**1**).

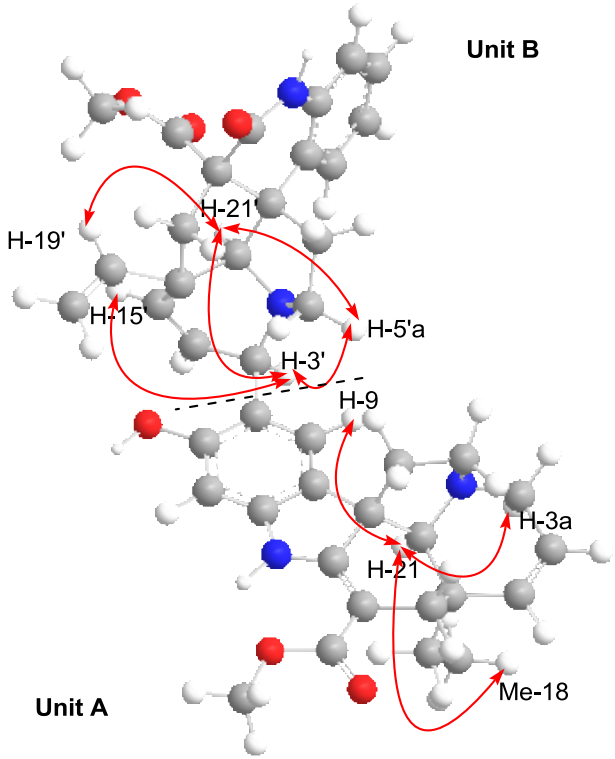


Figure 2S. Selected ROESY (↔) correlations of Melosuavine A (**1**).

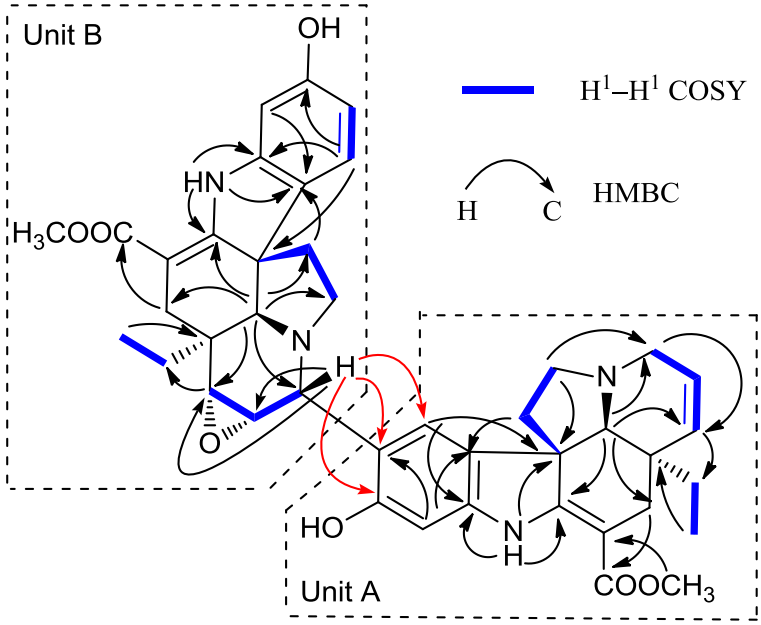


Figure 3S. Selected HMBC and ^{1}H–^{1}H COSY correlations of Melosuavine D (**4**).

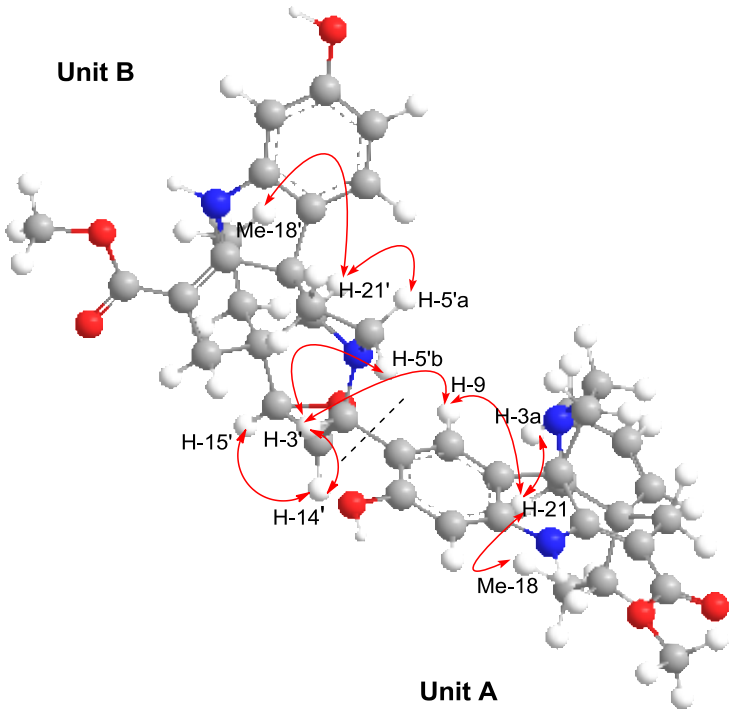


Figure 4S. Selected ROESY (↔) correlations of Melosuavine D (**4**).

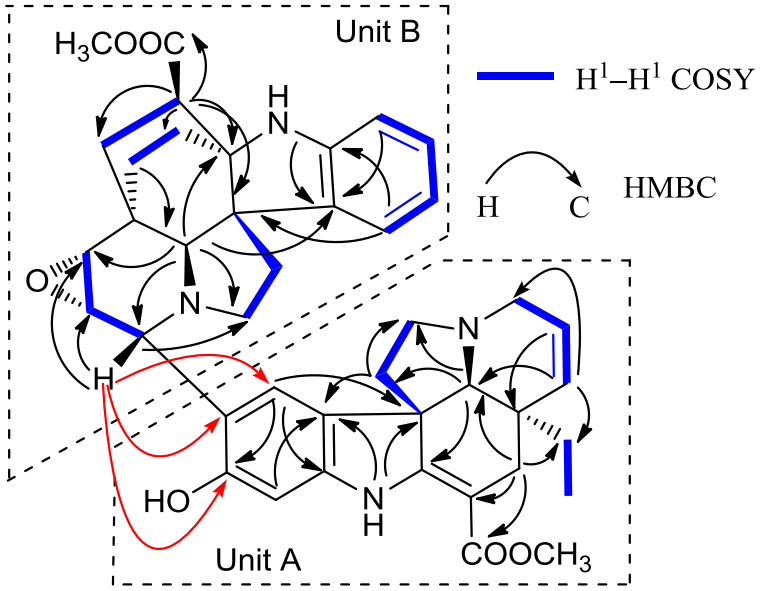


Figure 5S. Selected HMBC and ^{1}H–^{1}H COSY correlations of Melosuavine G (**7**).

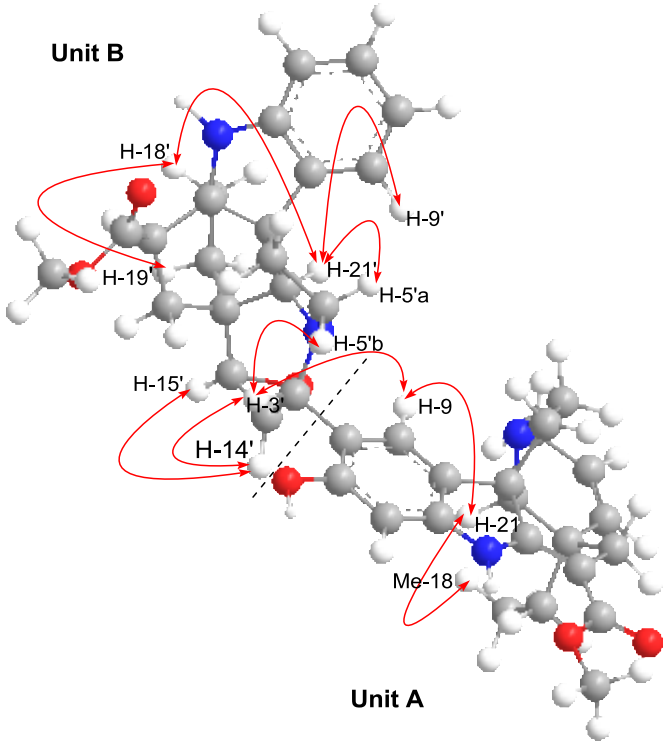


Figure 6S. Selected ROESY (↔) correlations of Melosuavine G (**7**).

Figure 7S. ^{1}H NMR of Melosuavine A (**1**) in acetone-d_6.

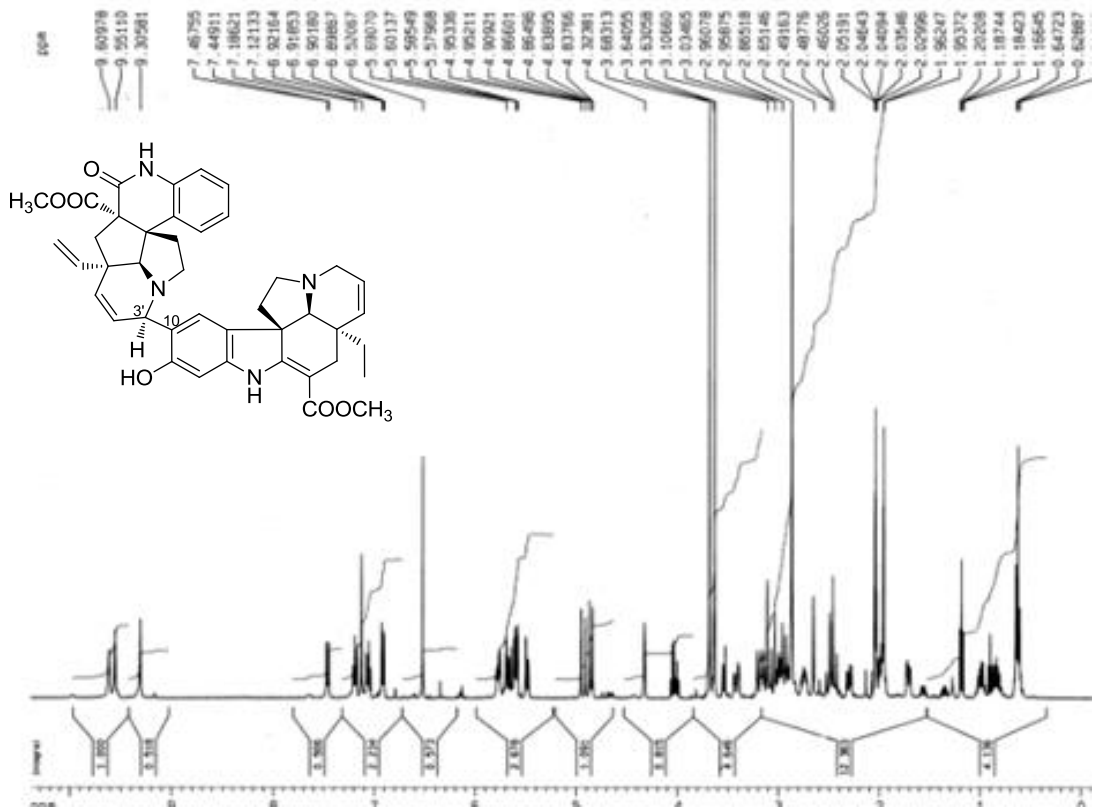


Figure 8S. ^{13}C NMR and DEPT of Melosuavine A (**1**) in acetone-d_6.

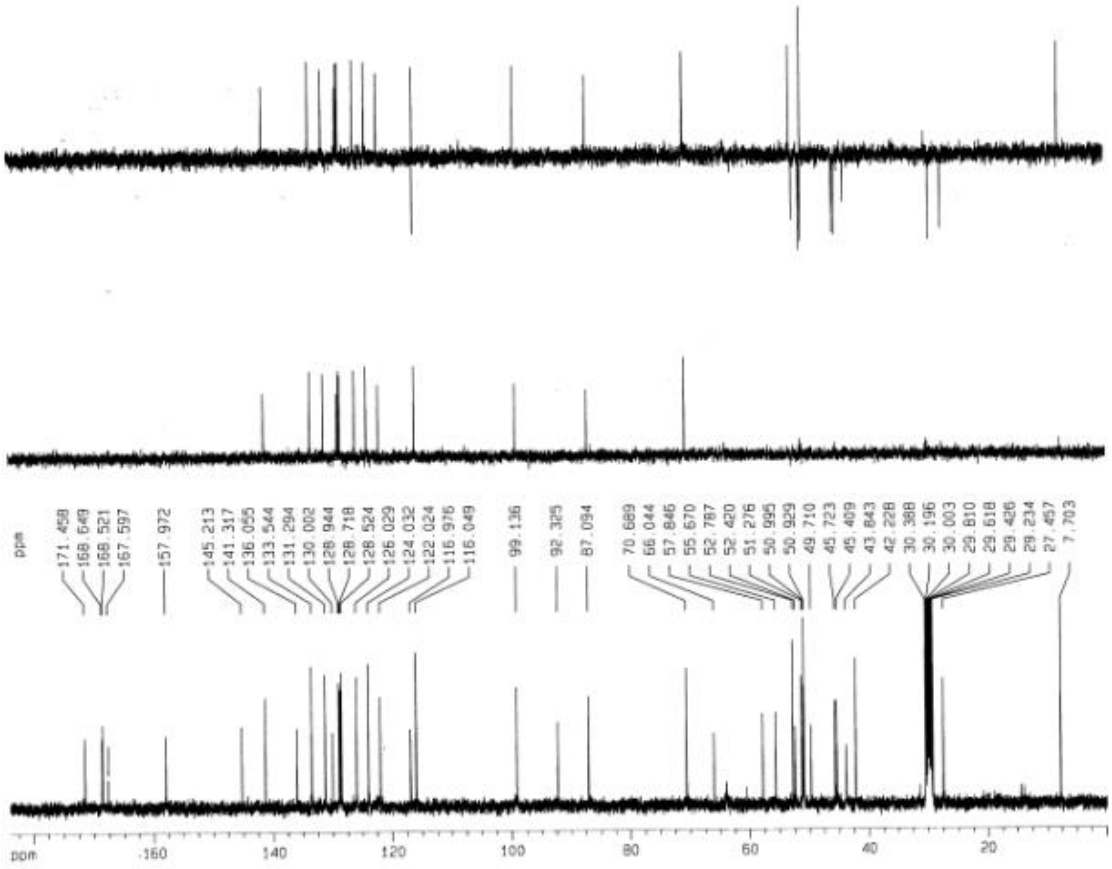


Figure 9S. HSQC of Melosuavine A (**1**) in acetone-d_6.

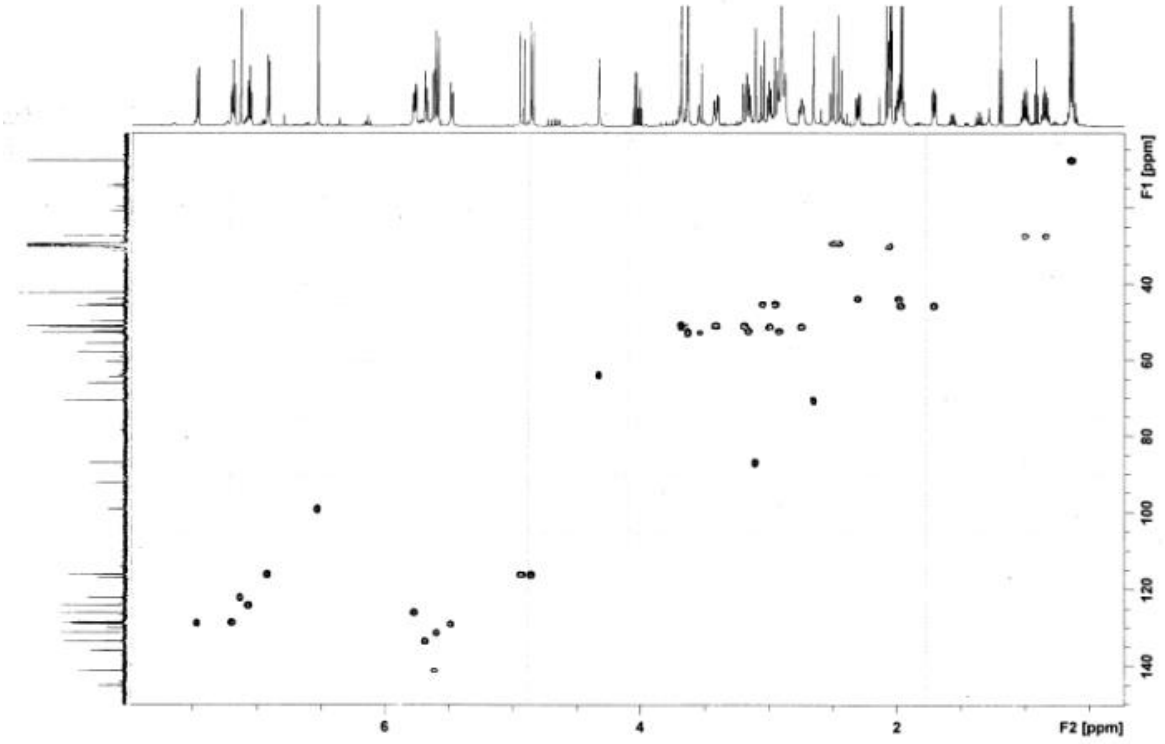


Figure 10S. HMBC of Melosuavine A (**1**) in acetone-d_6.

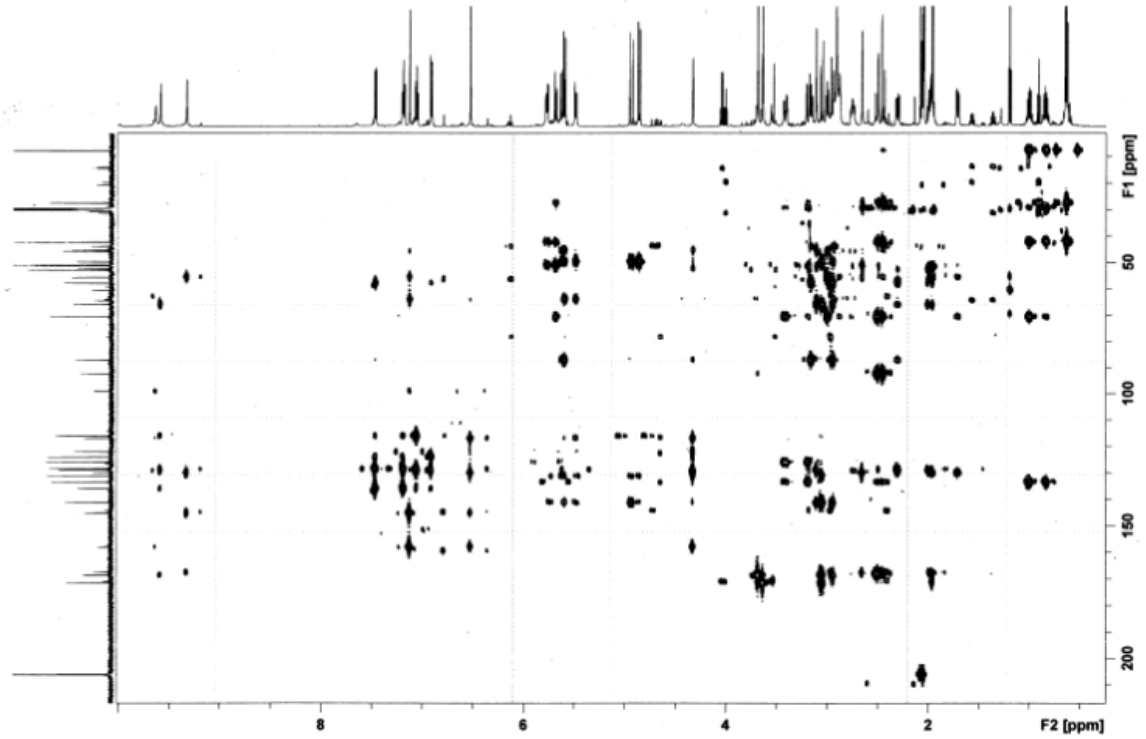


Figure 11S. ROESY of Melosuavine A (**1**) in acetone-d_6.

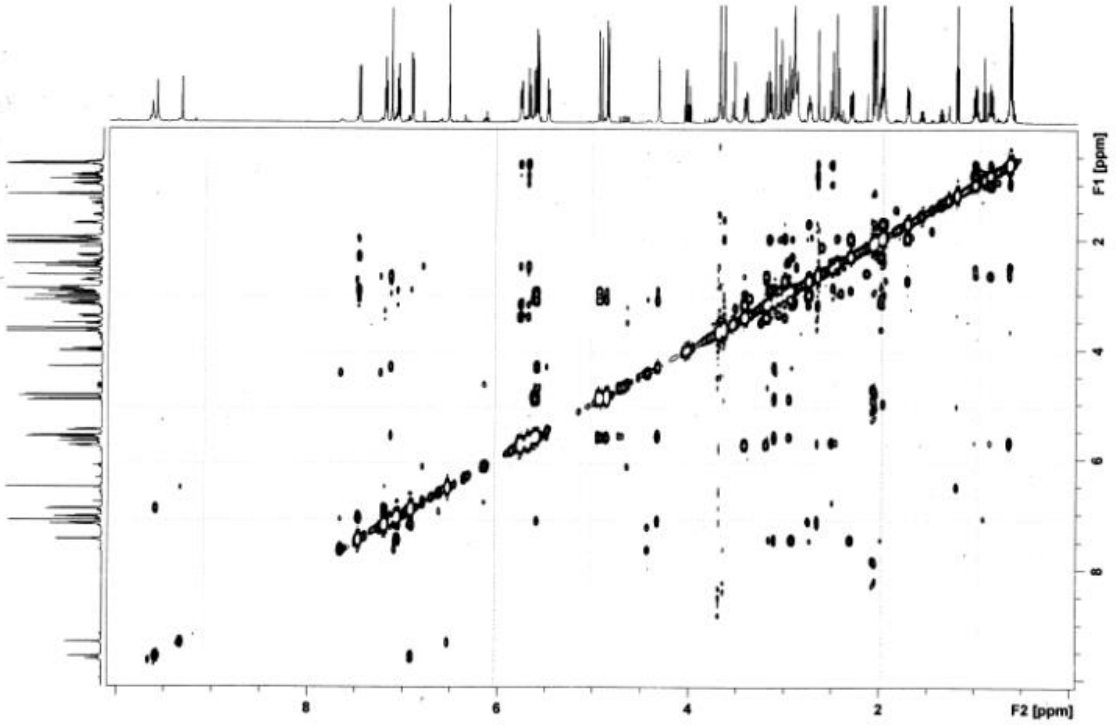


Figure 12S. EIMS of Melosuavine A (**1**).

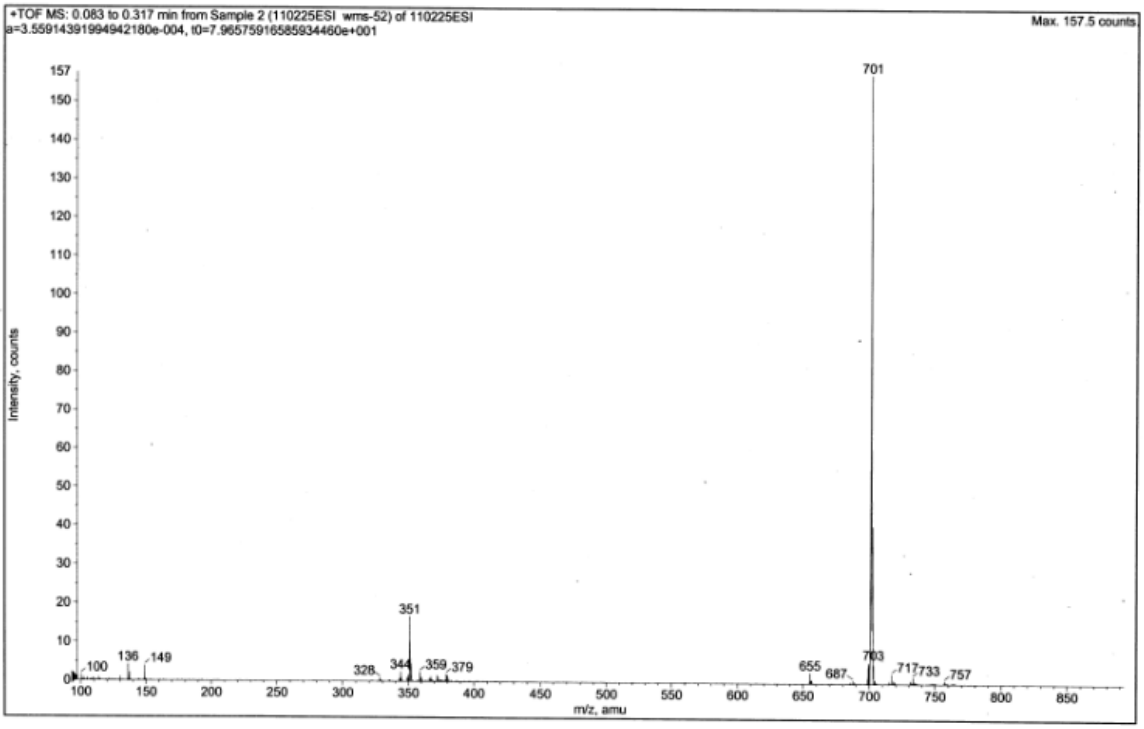


Figure 13S. HREIMS of Melosuavine A (**1**) in acetone-d_6.

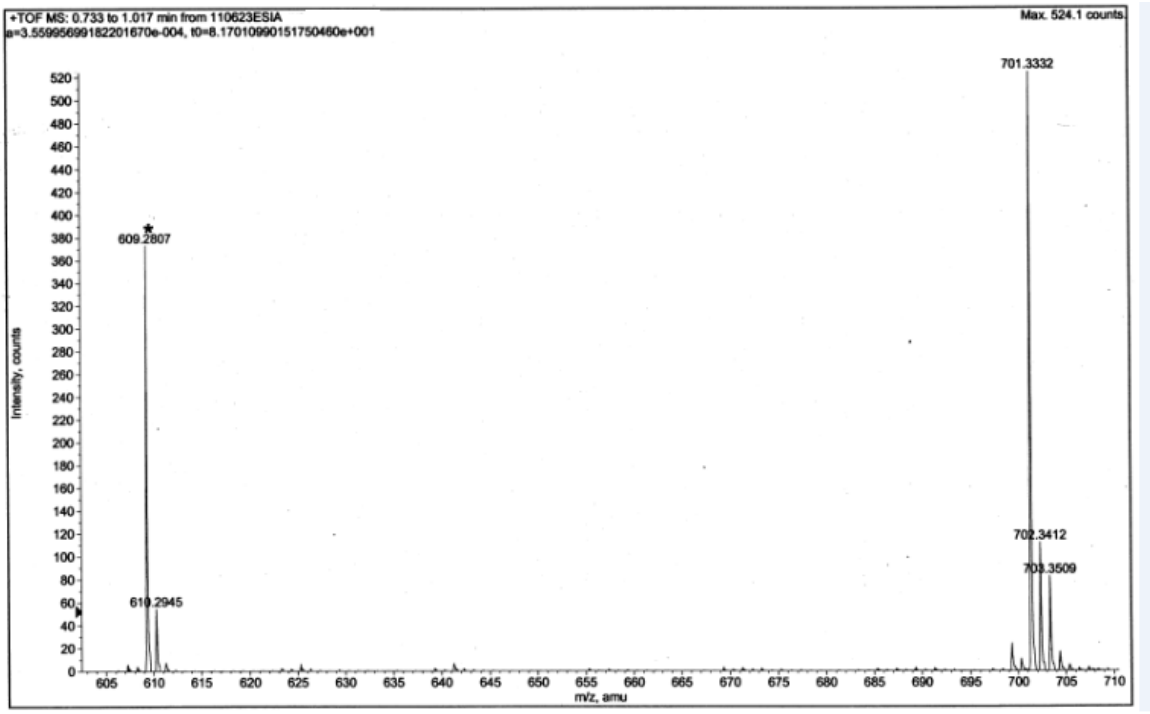


Figure 14S. ^{1}H NMR of Melosuavine B (**2**) in acetone-d_6.

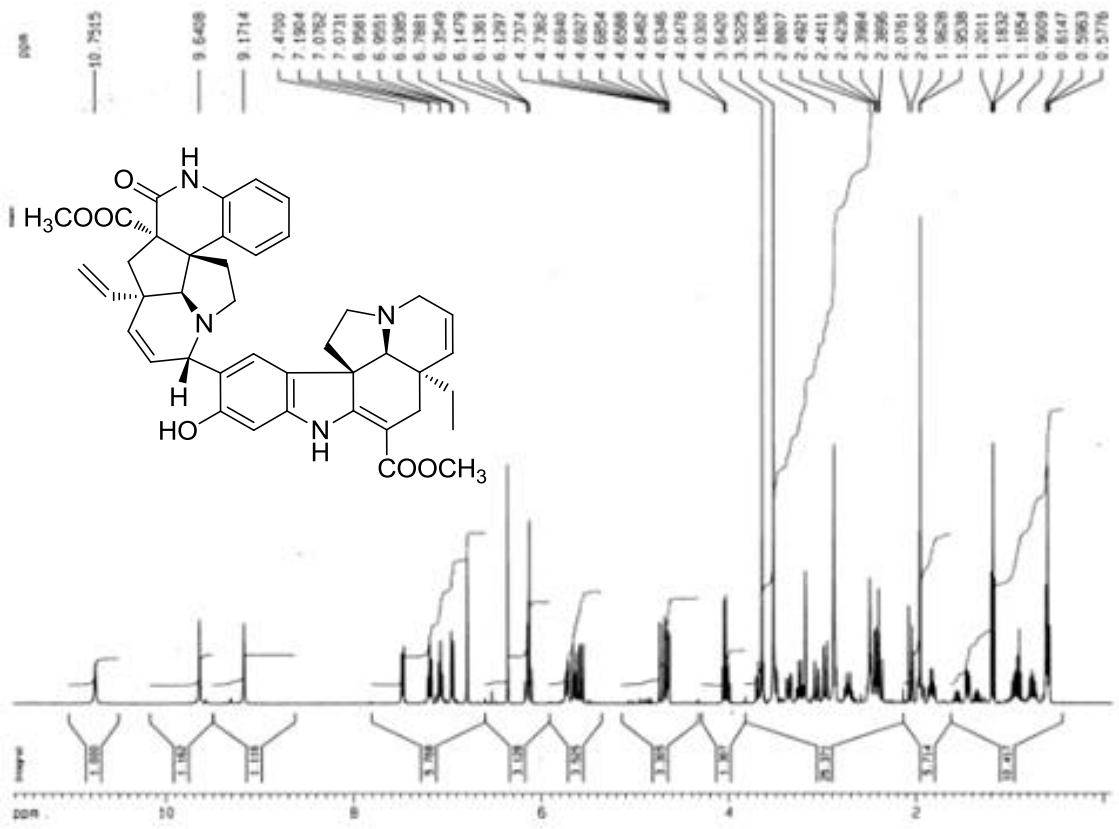


Figure 15S. ^{13}C NMR and DEPT of Melosuavine B (**2**) in acetone-d_6.

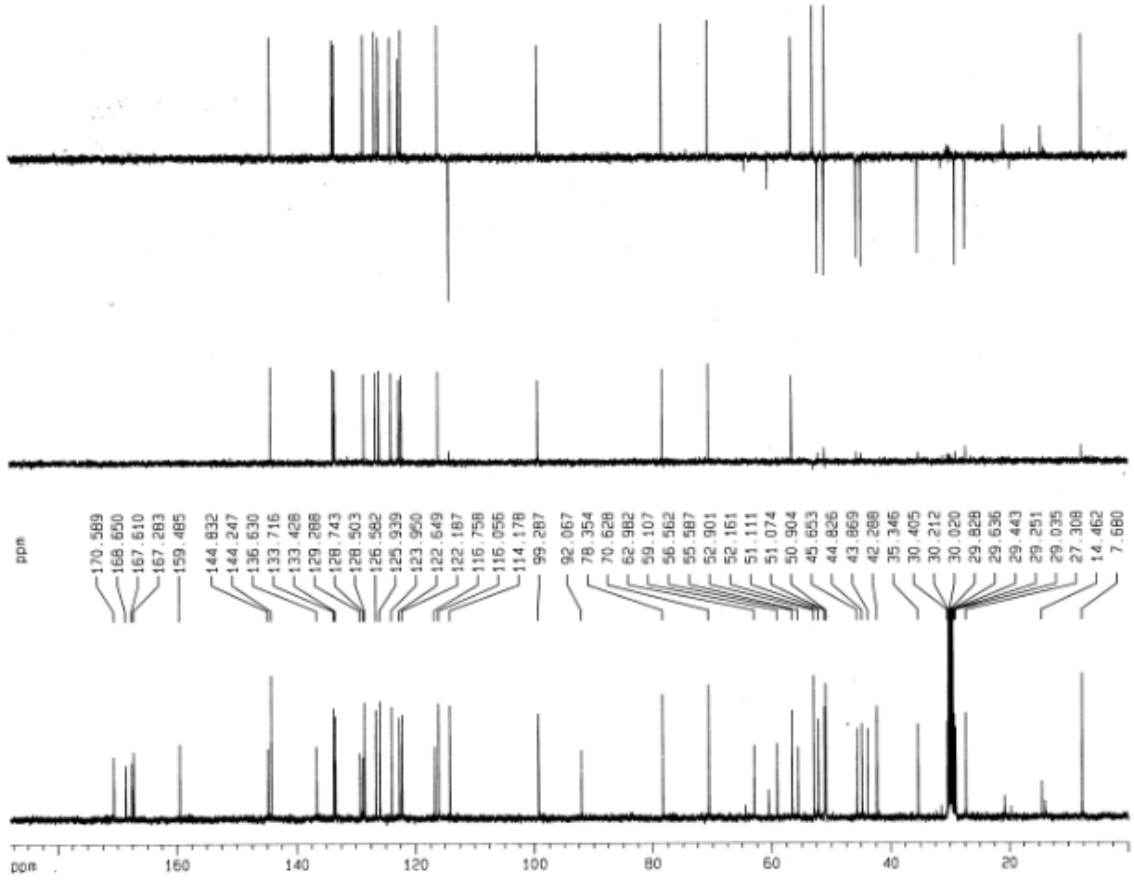


Figure 16S. HSQC of Melosuavine B (**2**) in acetone-d_6.

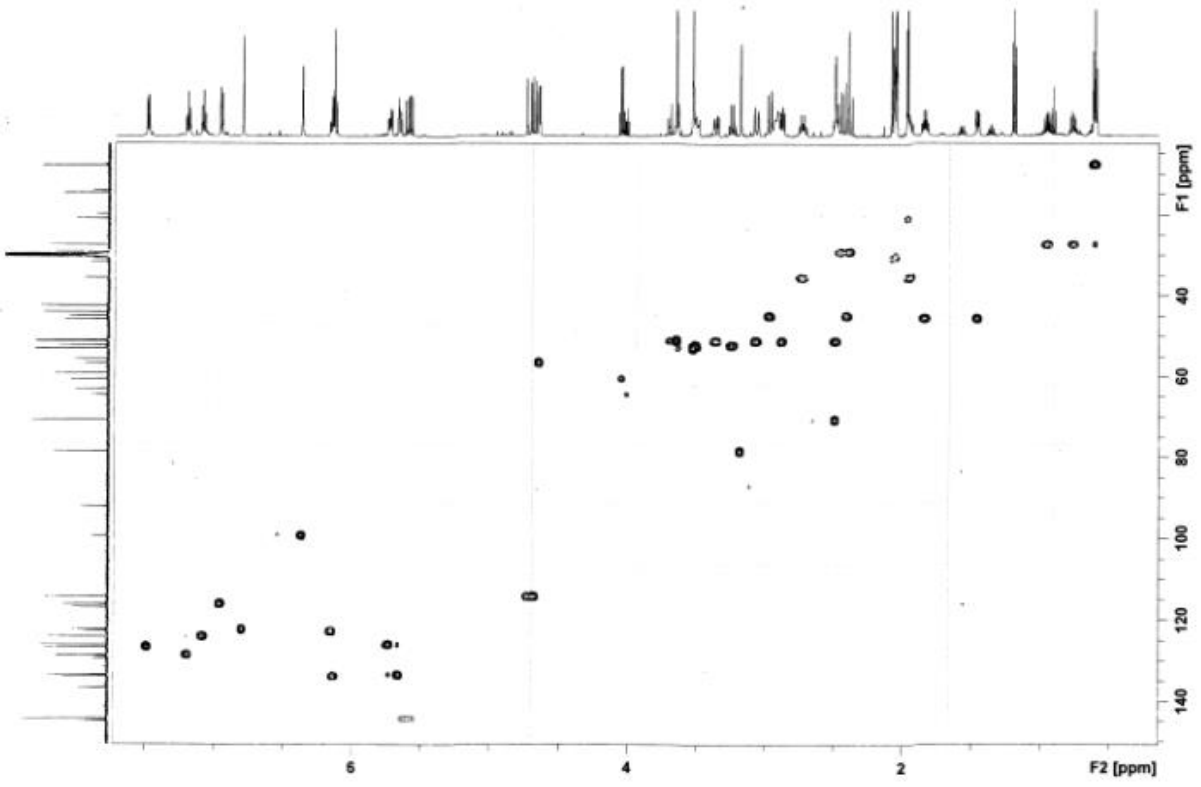


Figure 17S. HMBC of Melosuavine B (**2**) in acetone-d_6.

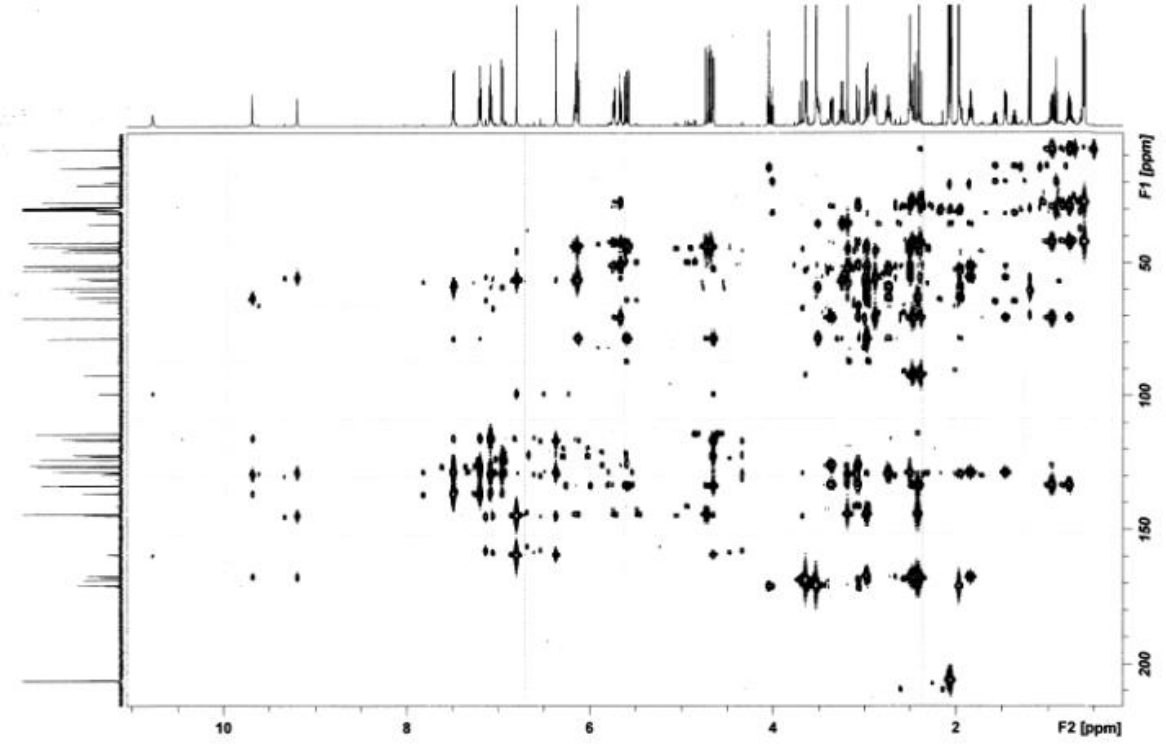


Figure 18S. ROESY of Melosuavine B (**2**) in acetone-d_6.

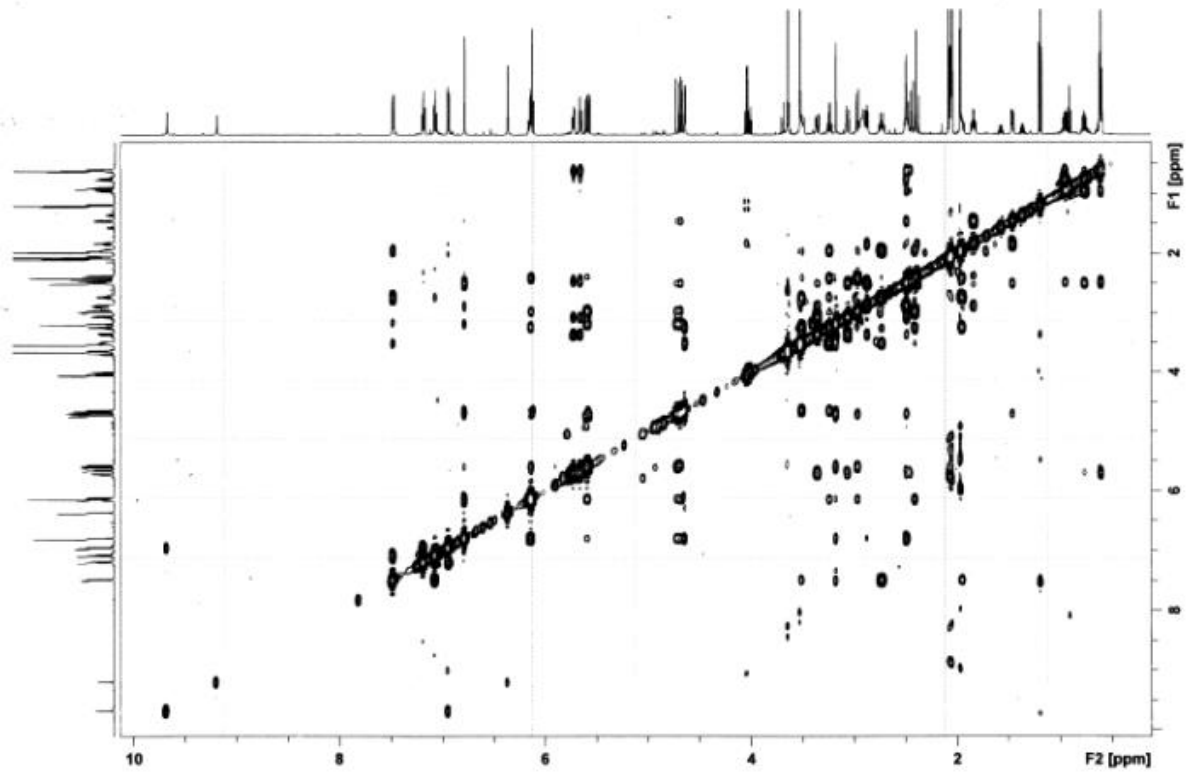


Figure 19S. ESIMS of Melosuavine B (**2**).

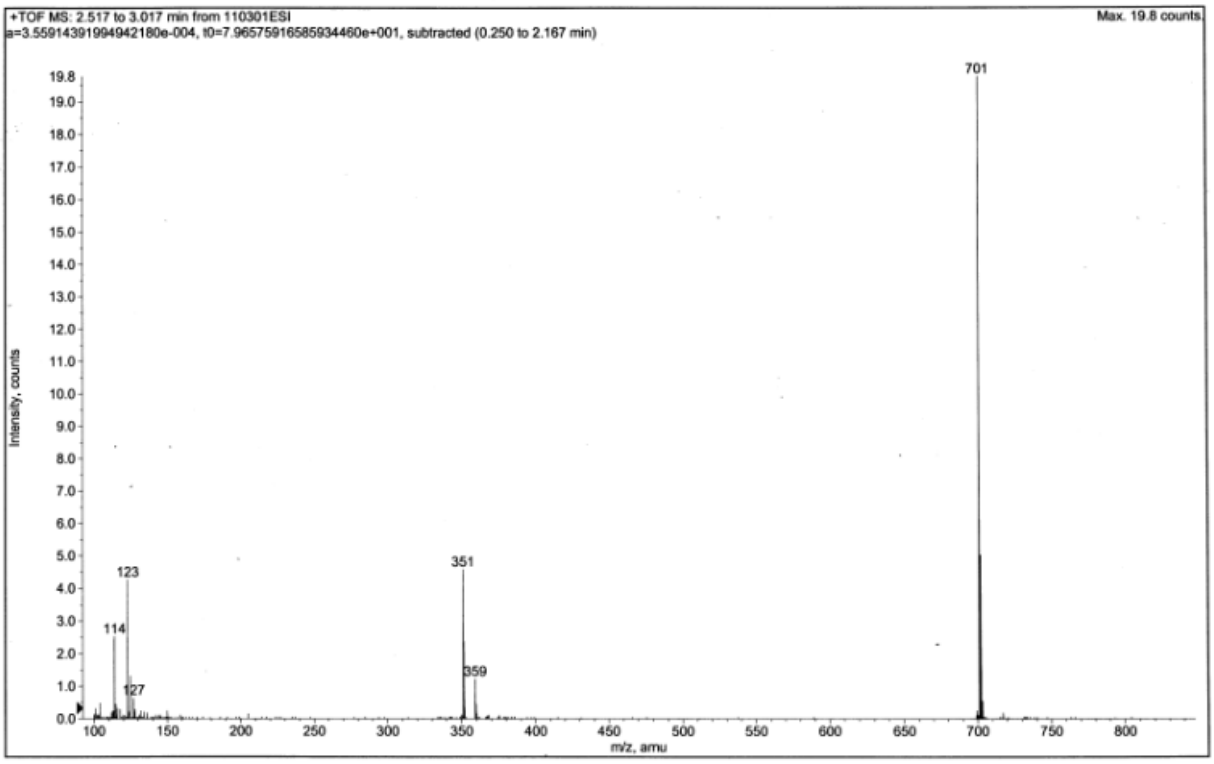


Figure 20S. HRESIMS of Melosuavine B (**2**).

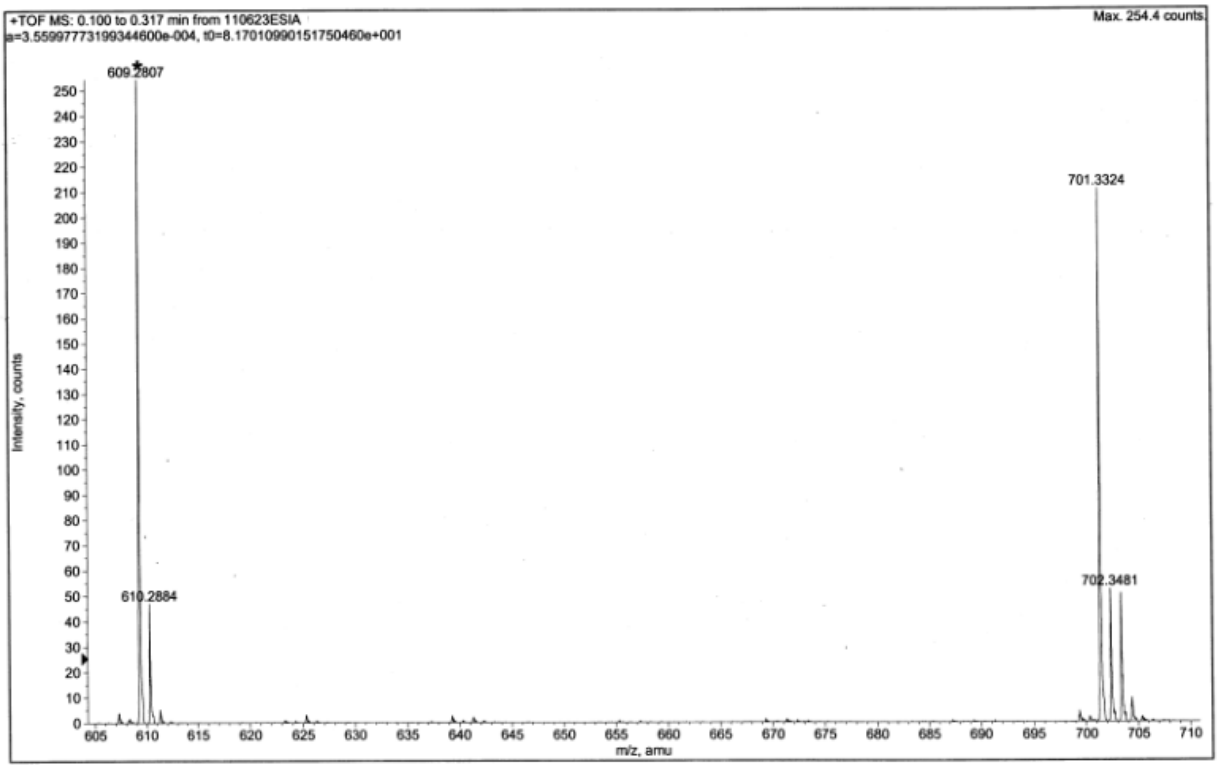


Figure 21S. ^{1}H NMR of Melosuavine C (**3**) in methanol-d_4.

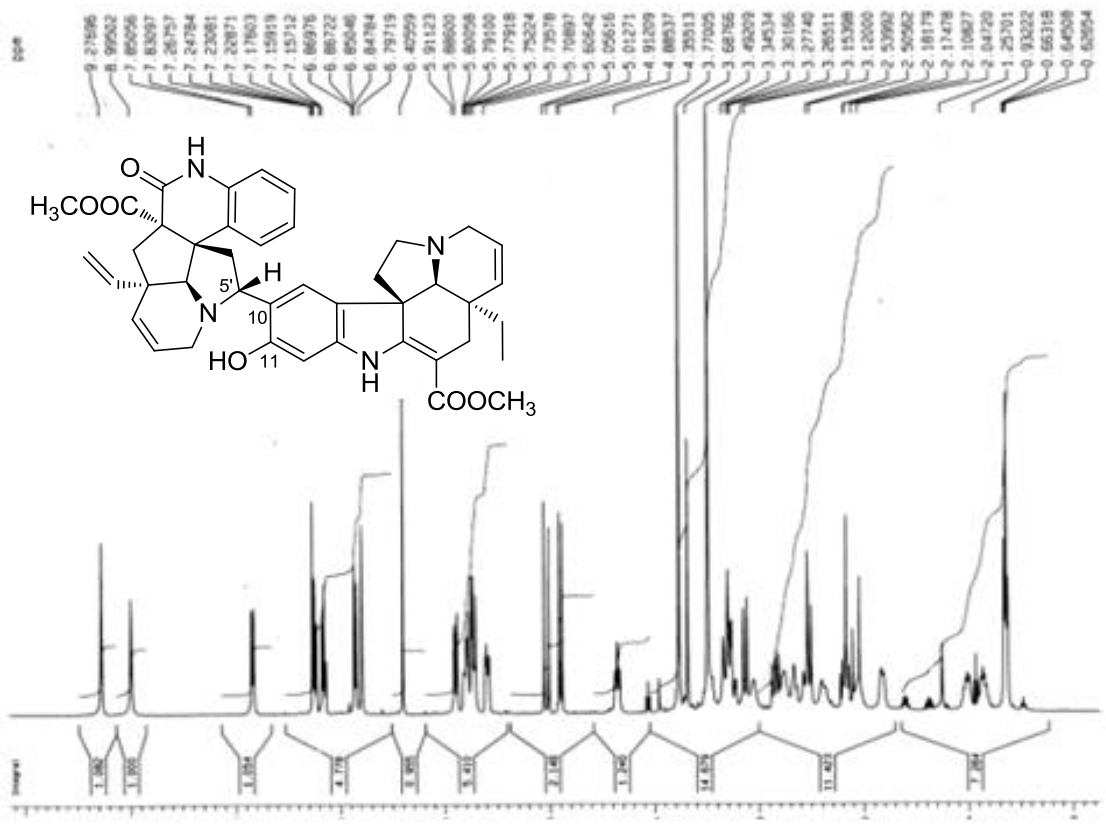


Figure 22S. ^{13}C NMR and DEPT of Melosuavine C (**3**) in methanol-d_4.

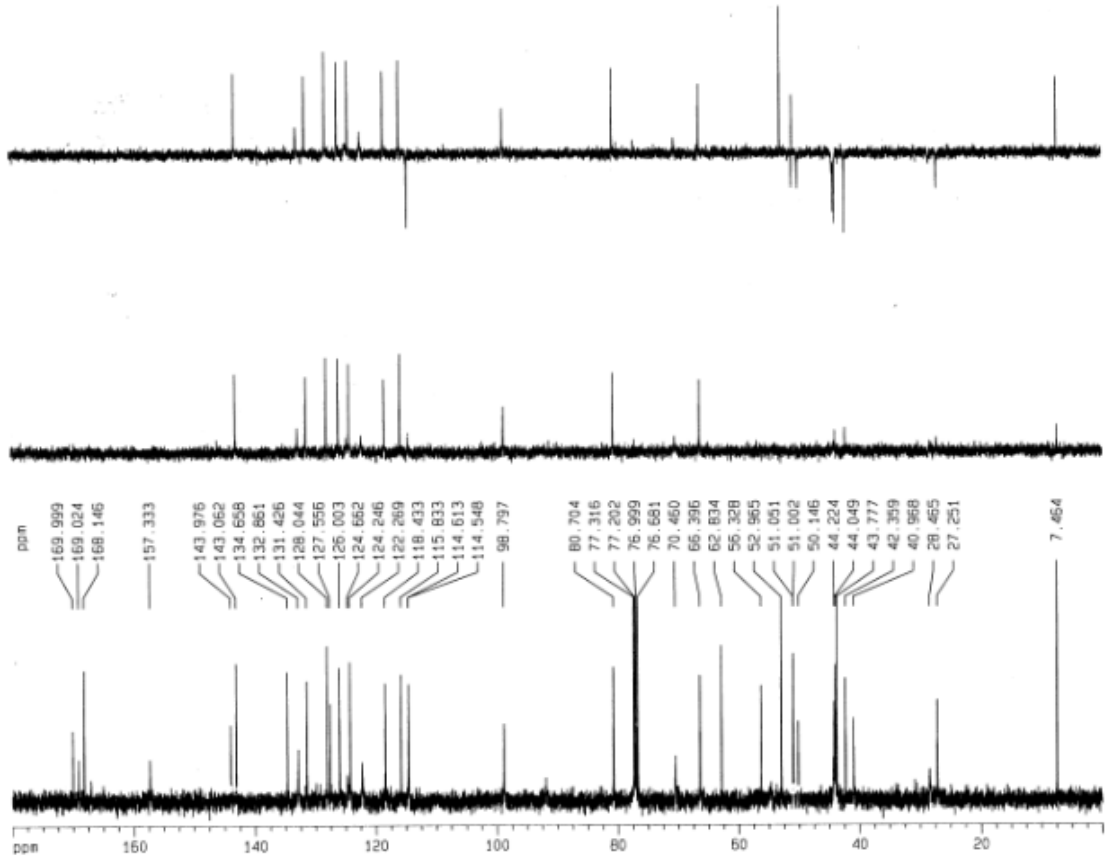


Figure 23S. HSQC of Melosuavine C (**3**) in methanol-d_4.

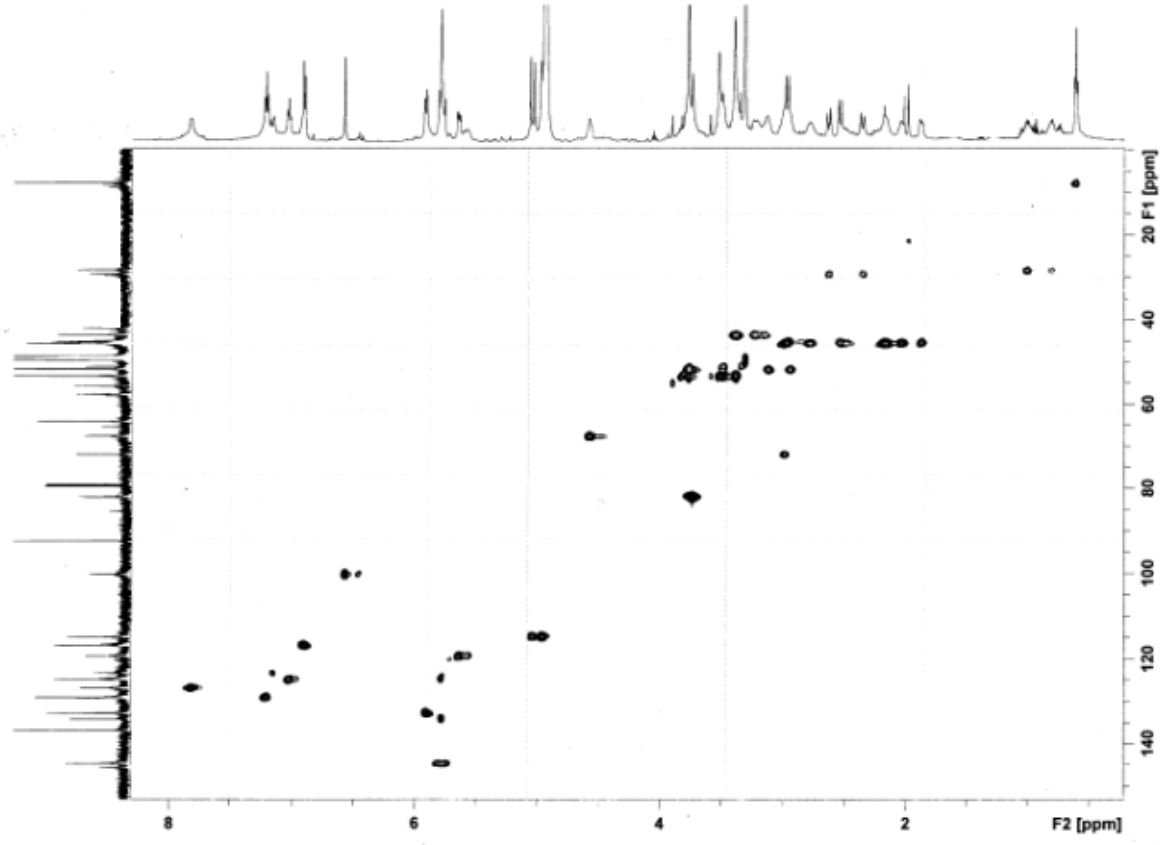


Figure 24S. HMBC of Melosuavine C (**3**) in methanol-d_4.

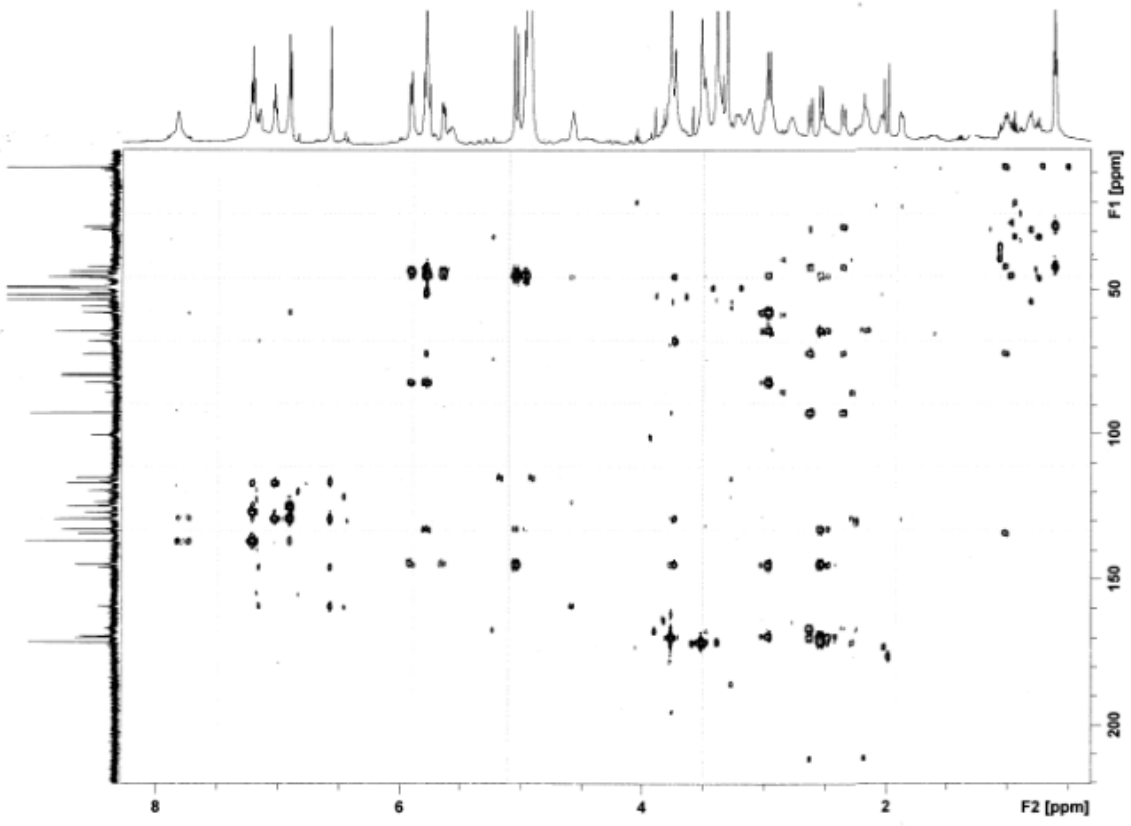


Figure 25S. ROESY of Melosuavine C (**3**) in methanol-d_4.

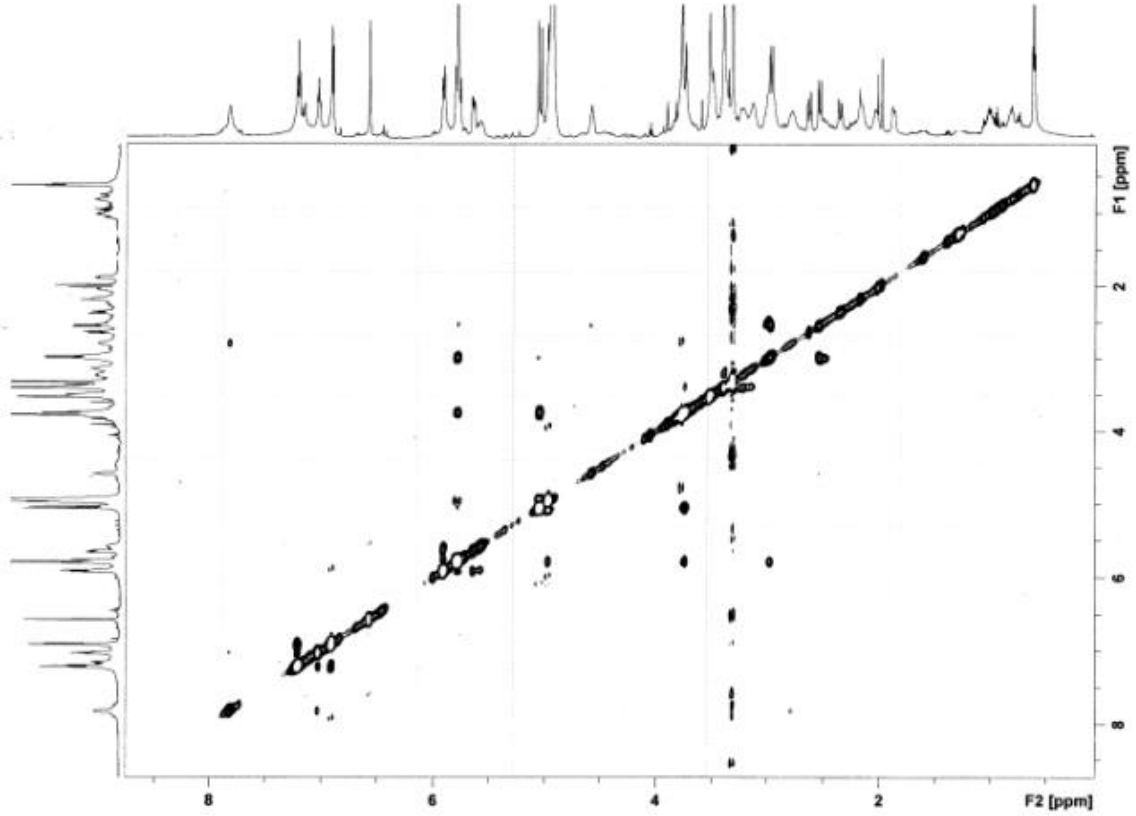


Figure 26S. EIMS of Melosuavine C (**3**).

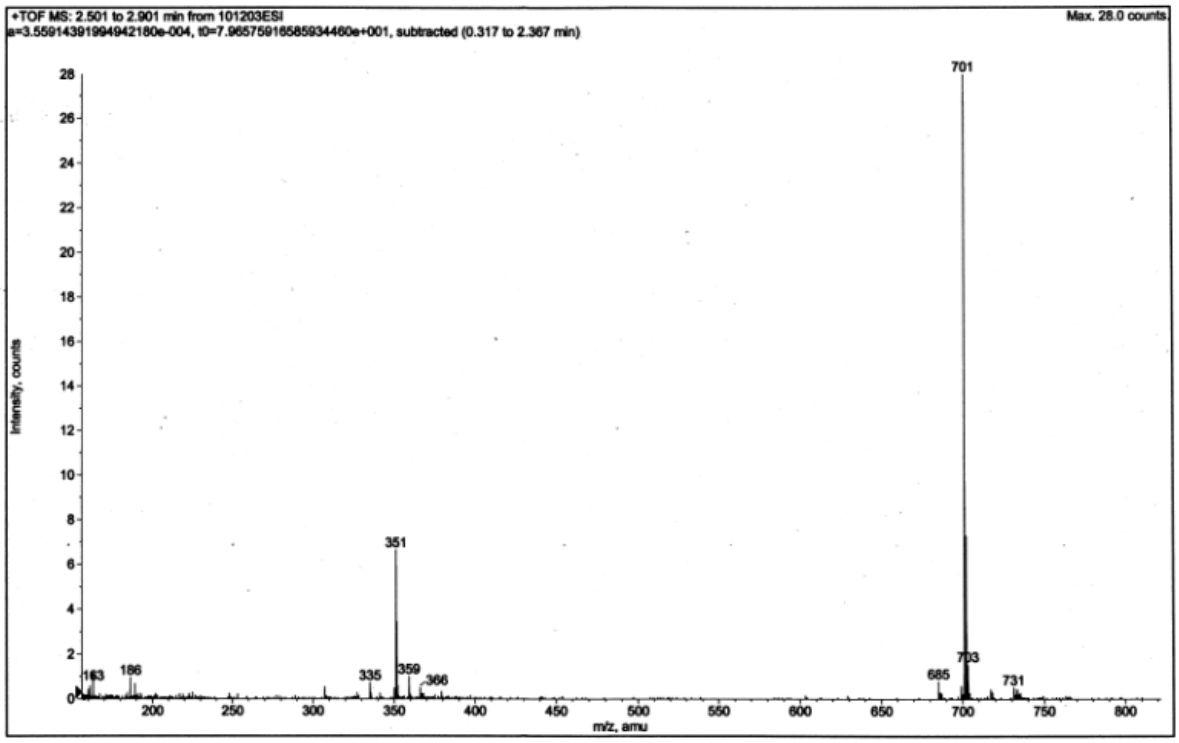


Figure 27S. HREIMS of Melosuavine C (**3**).

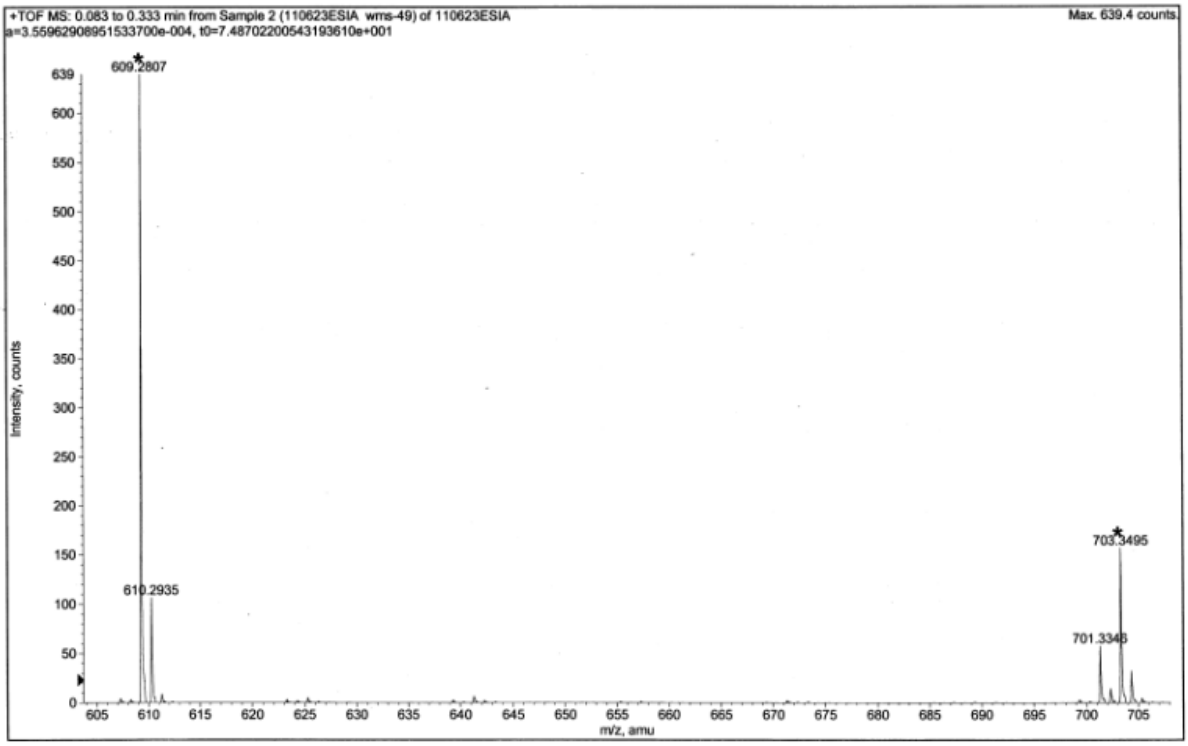


Figure 28S. ^{1}H NMR of Melosuavine D (**4**) in DMSO.

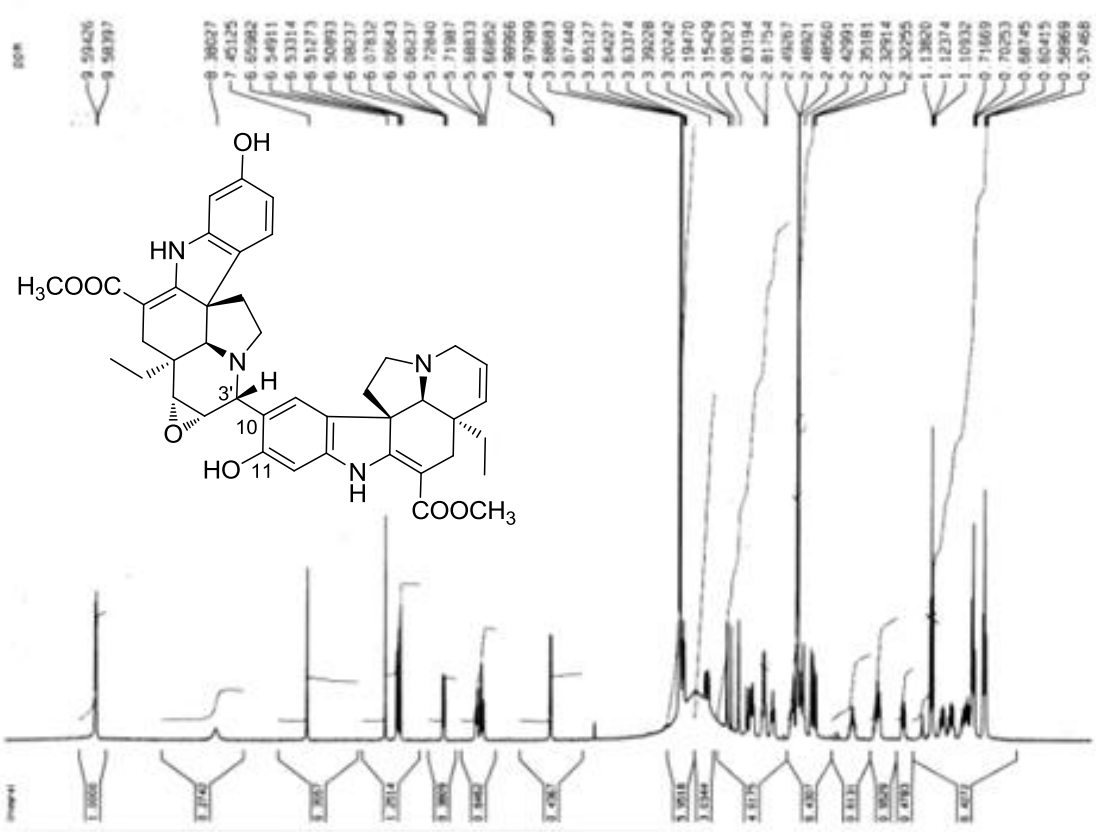


Figure 29S. ^{13}C NMR and DEPT of Melosuavine D (**4**) in DMSO.

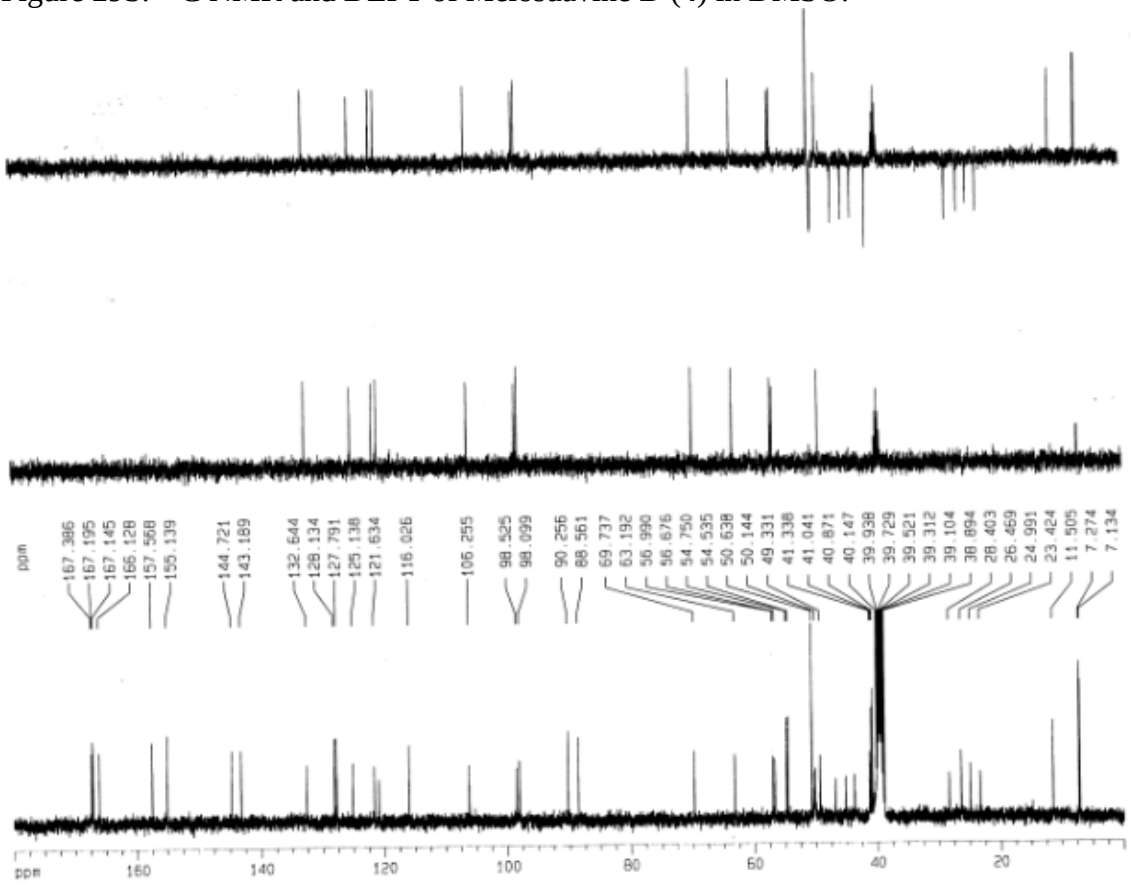


Figure 30S. HSQC of Melosuavine D (**4**) in DMSO.

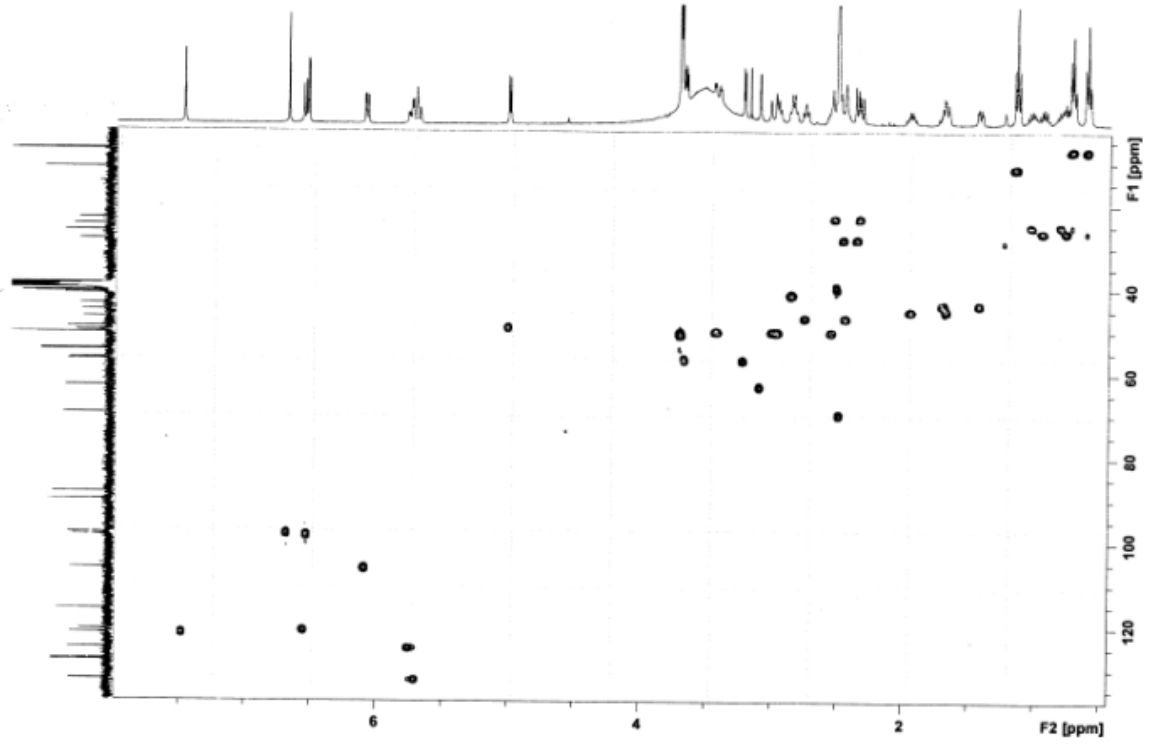


Figure 31S. HMBC of Melosuavine D (**4**) in DMSO.

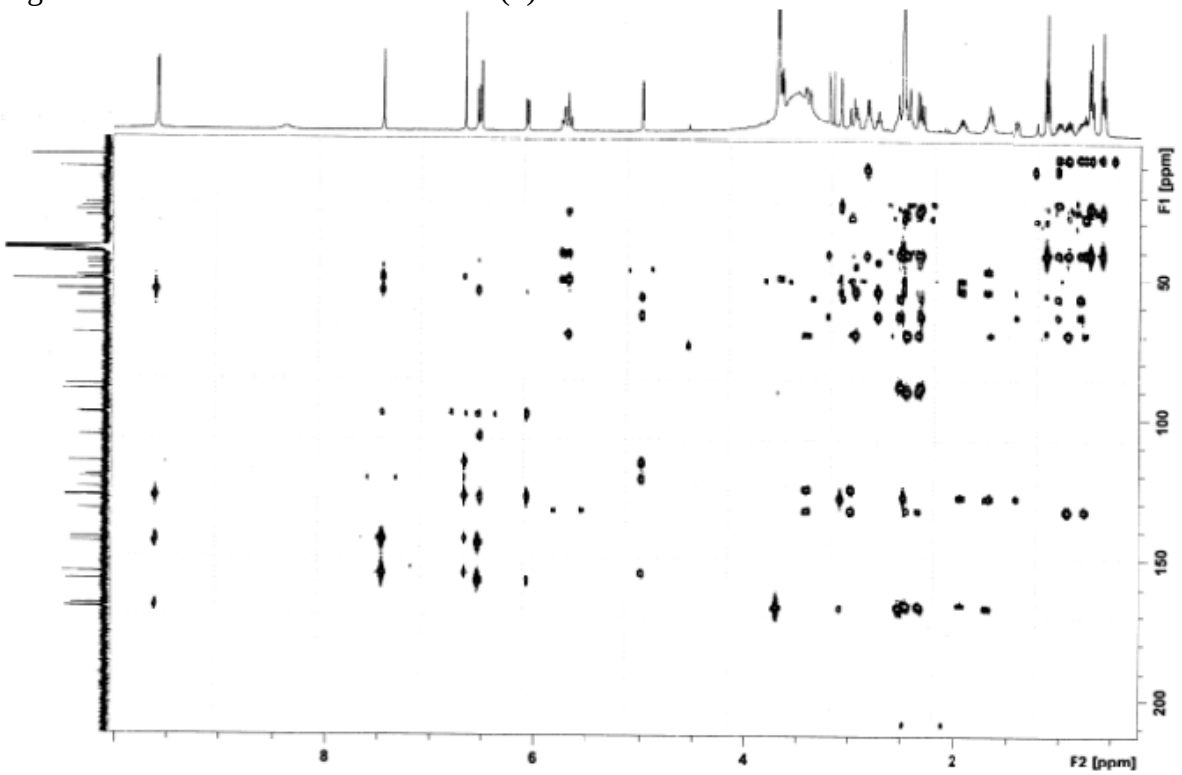


Figure 32S. ^{1}H-^{1}H COSY of Melosuavine D (**4**) in DMSO.

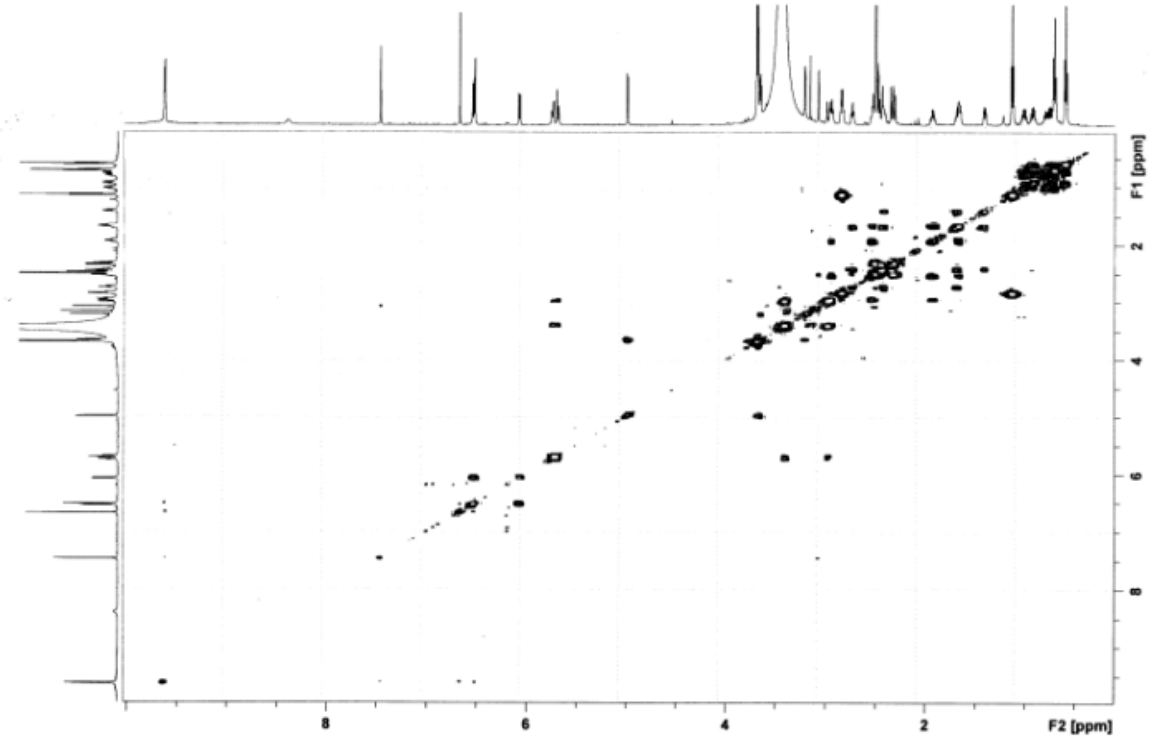


Figure 33S. ROESY of Melosuavine D (**4**) in DMSO.

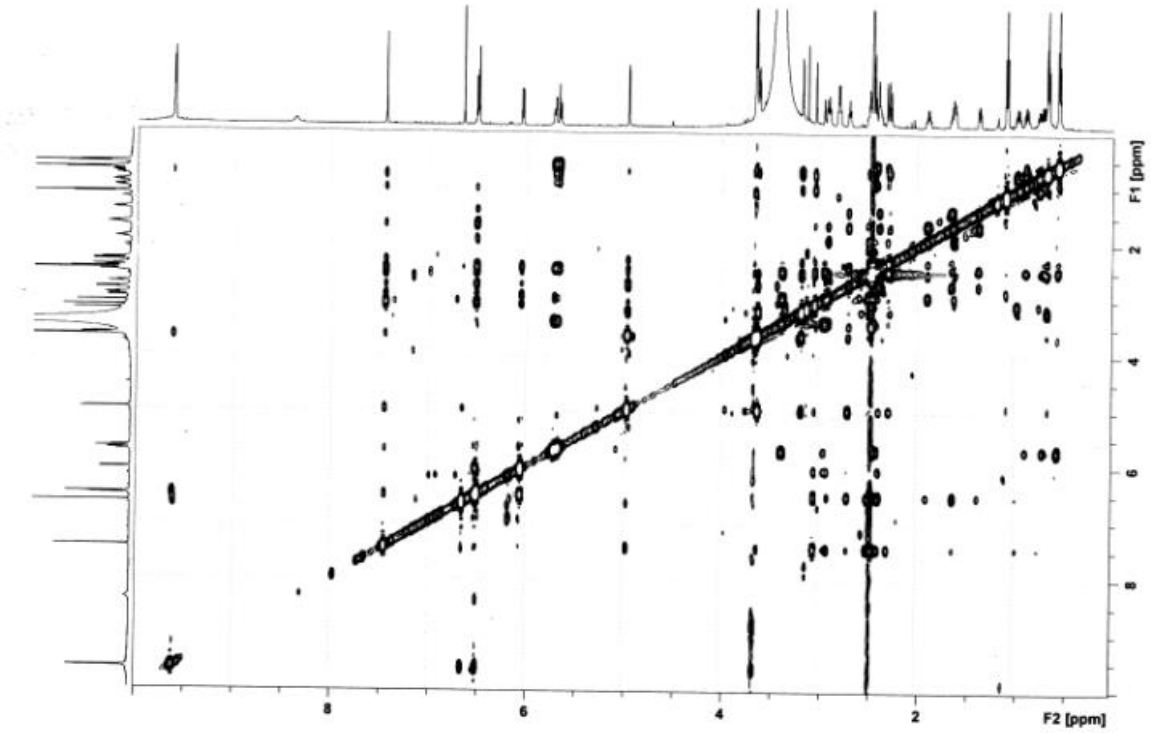


Figure 34S. ESIMS of Melosuavine D (**4**).

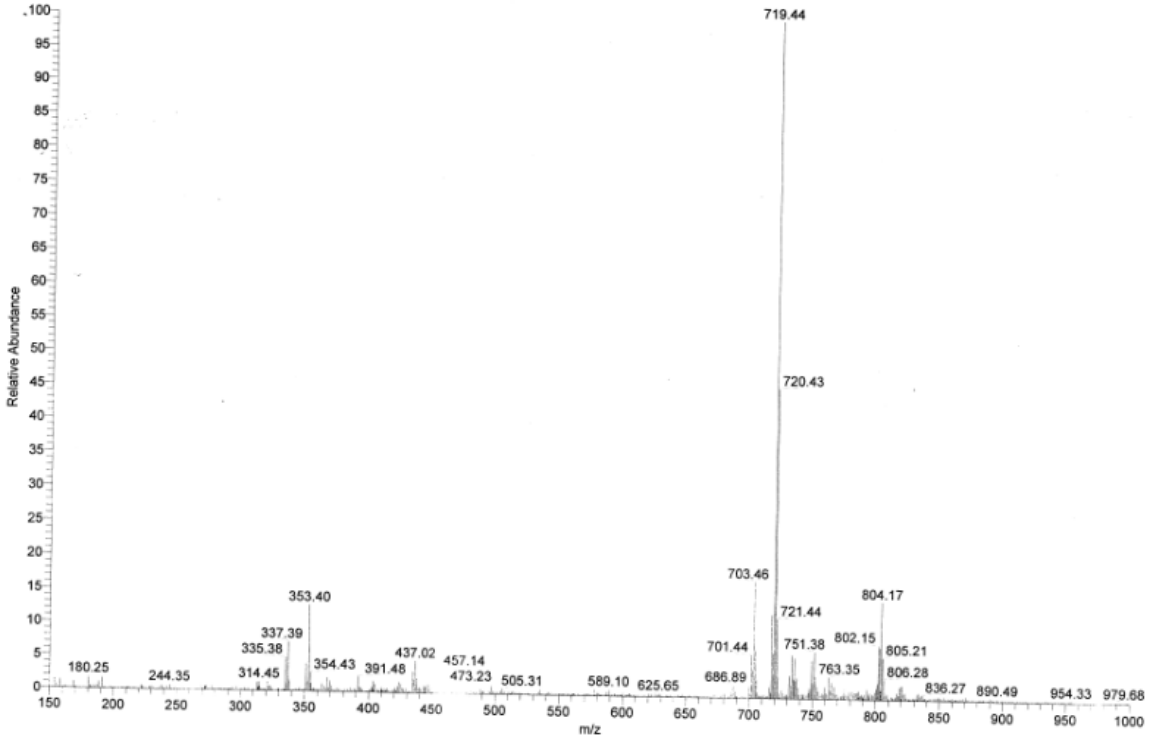


Figure 35S. HRESIMS of Melosuavine D (**4**).

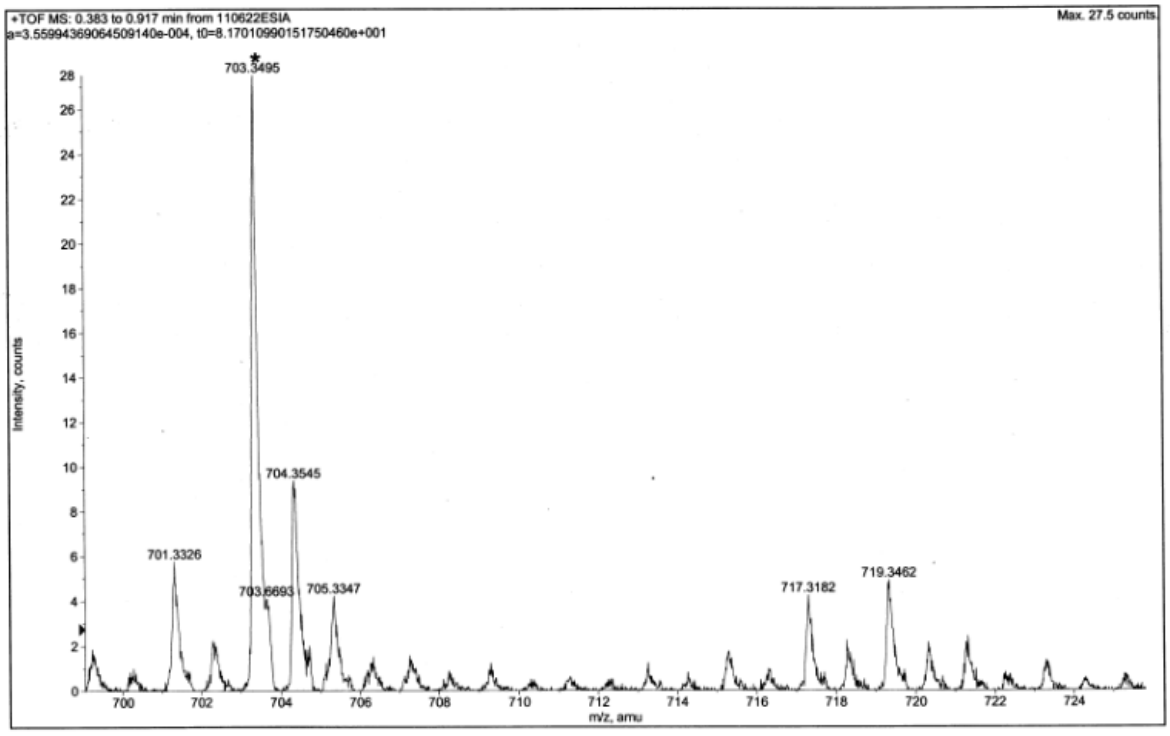


Figure 36S. ^{1}H NMR of Melosuavine E (**5**) in acetone-d_6.

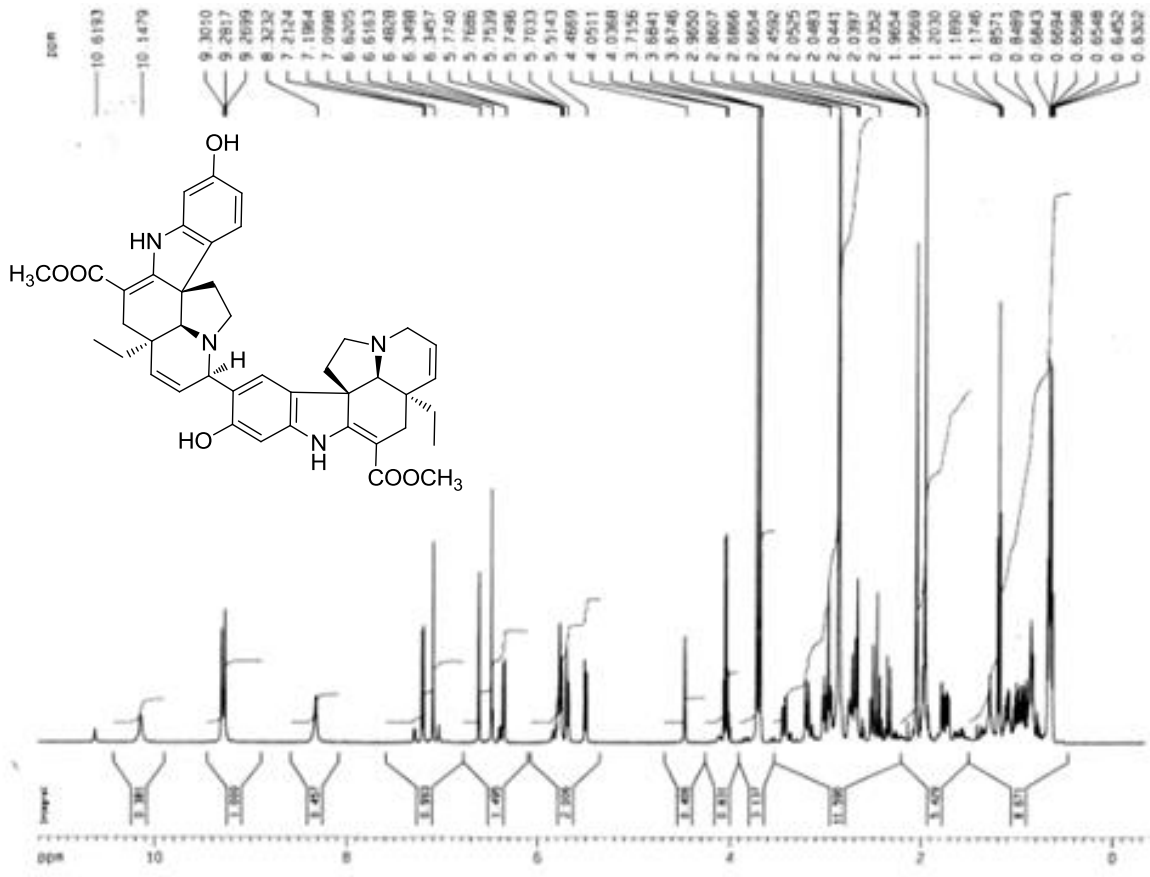


Figure 37S. ^{13}C NMR and DEPT of Melosuavine E (**5**) in acetone-d_6.

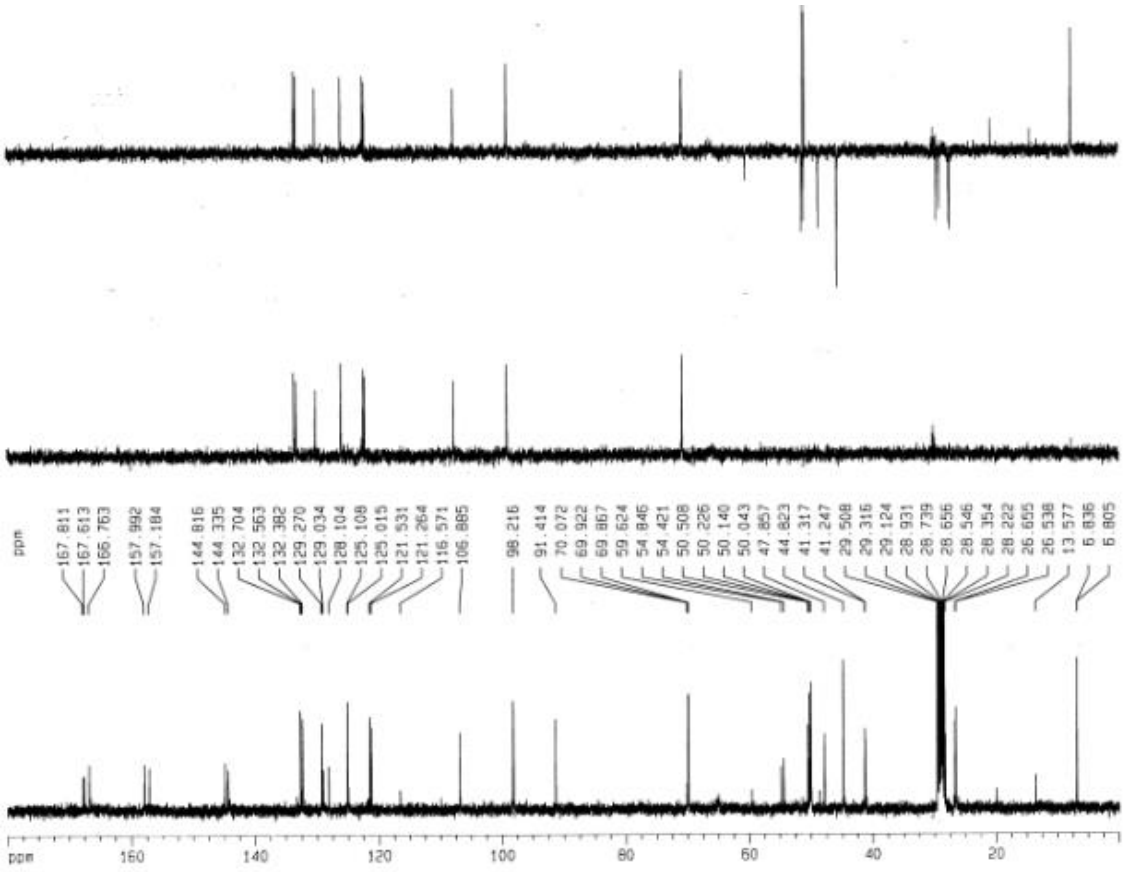


Figure 38S. HSQC of Melosuavine E (**5**) in acetone-d_6.

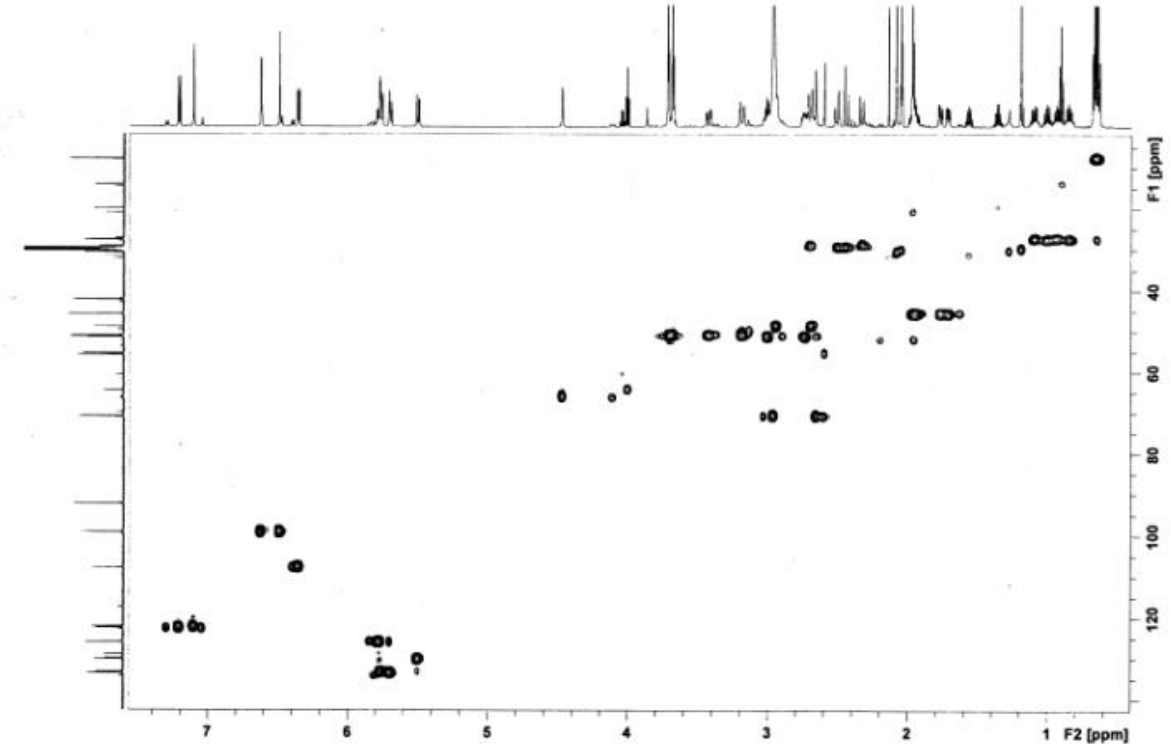


Figure 39S. HMBC of Melosuavine E (**5**) in acetone-d_6.

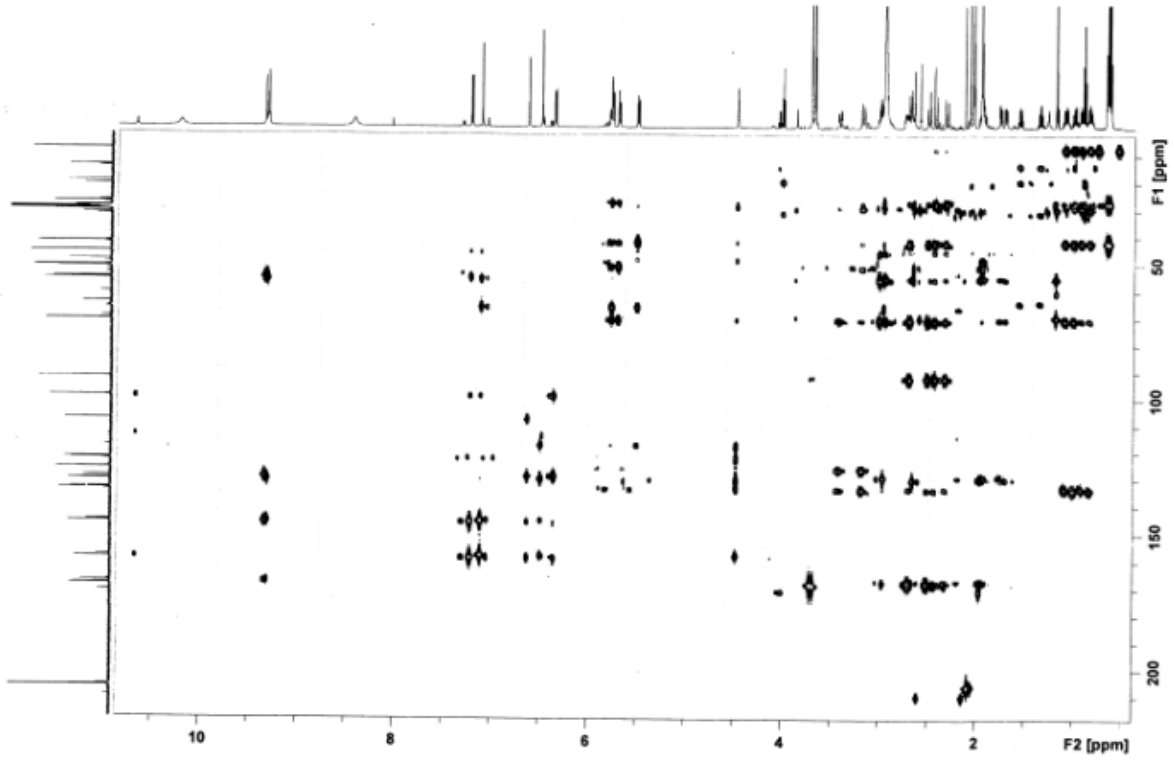


Figure 40S. ^{1}H-^{1}H-ROSY of Melosuavine E (**5**) in acetone-d_6.

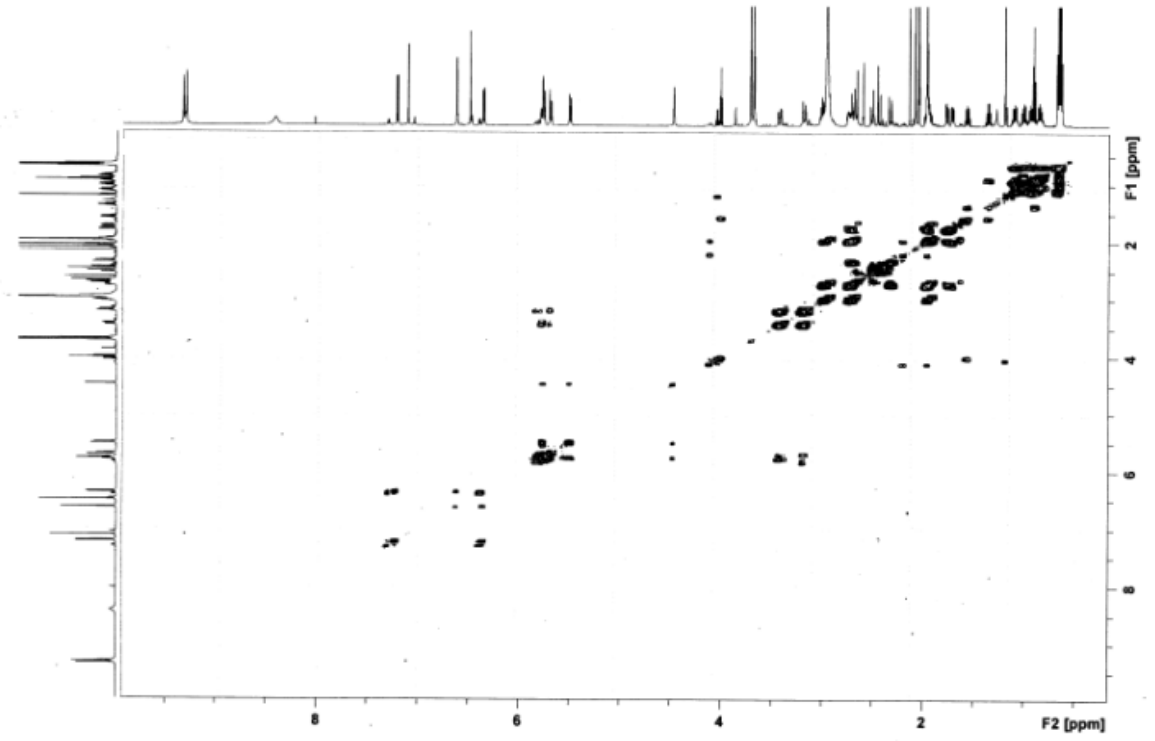


Figure 41S. ROESY of Melosuavine E (**5**) in acetone-d_6.

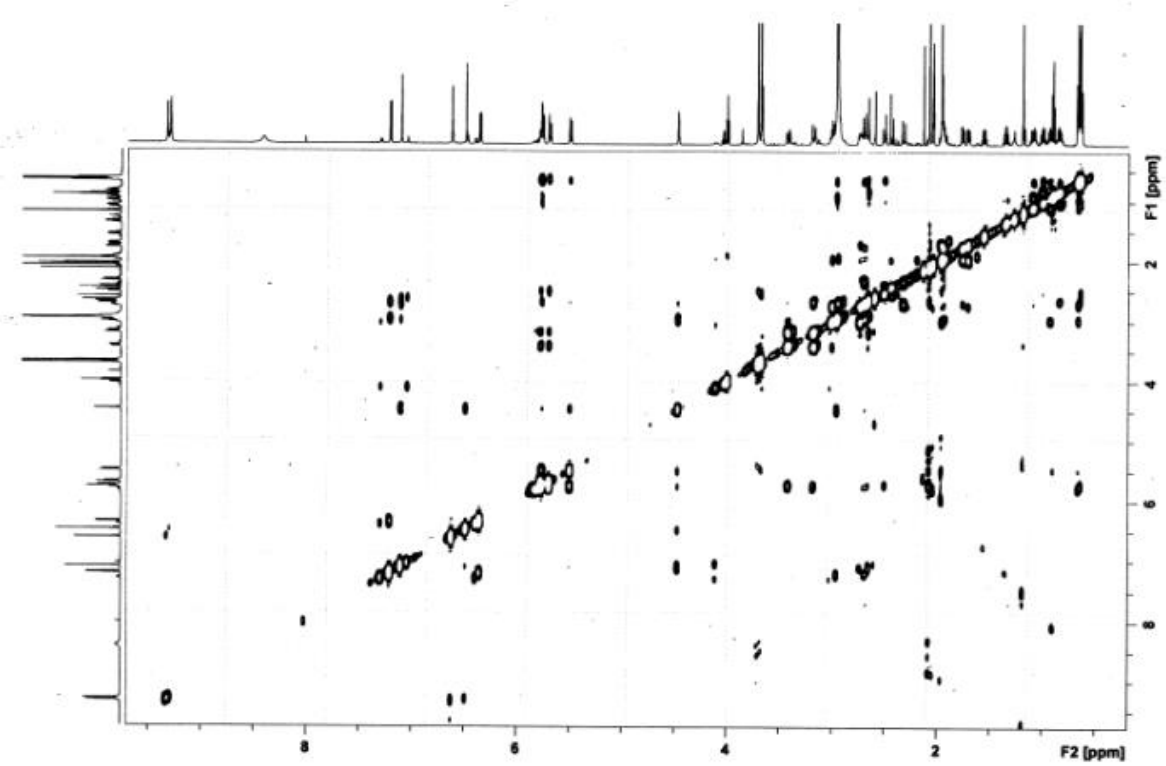


Figure 42S. EIMS of Melosuavine E (**5**).

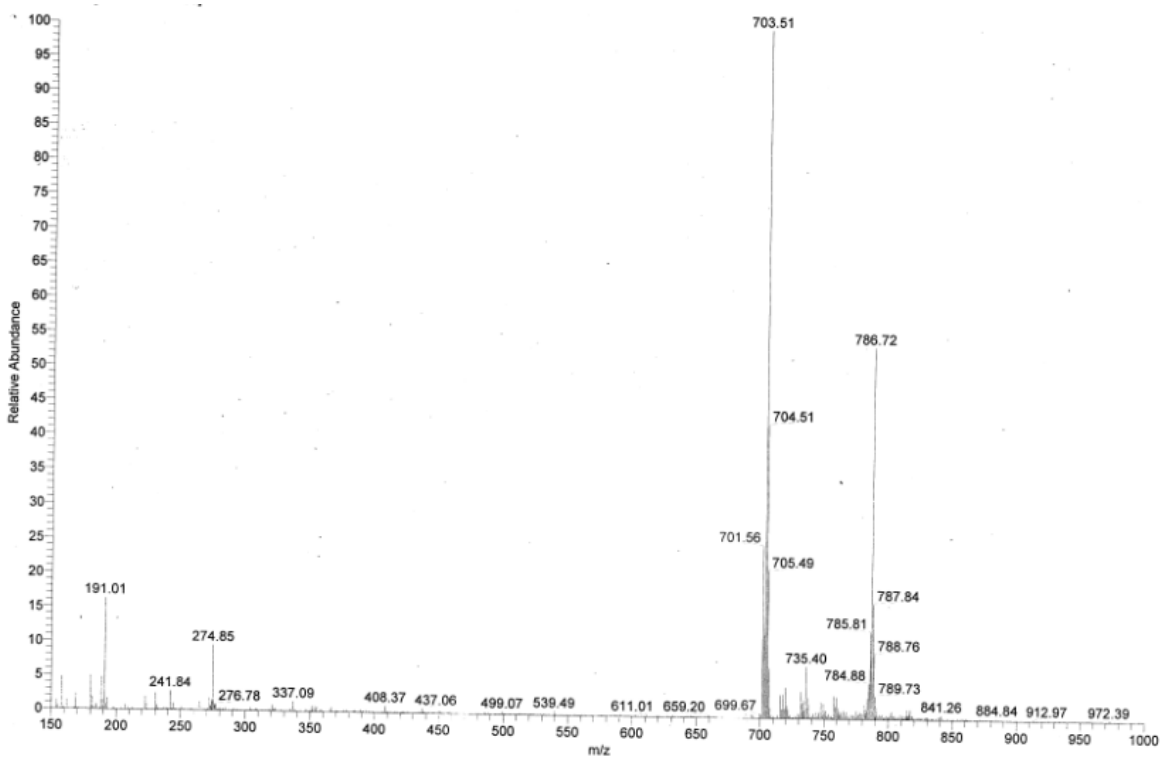


Figure 43S. HREIMS of Melosuavine E (**5**).

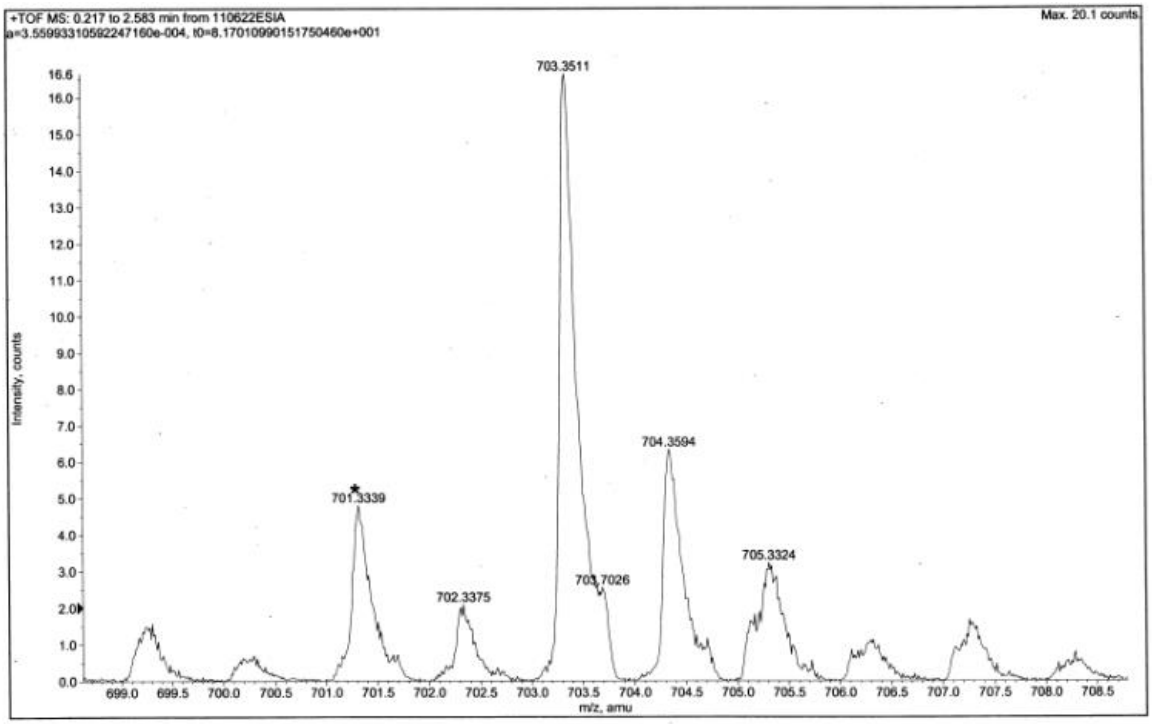


Figure 44S. ^{1}H NMR of Melosuavine F (**6**) in acetone-d_6.

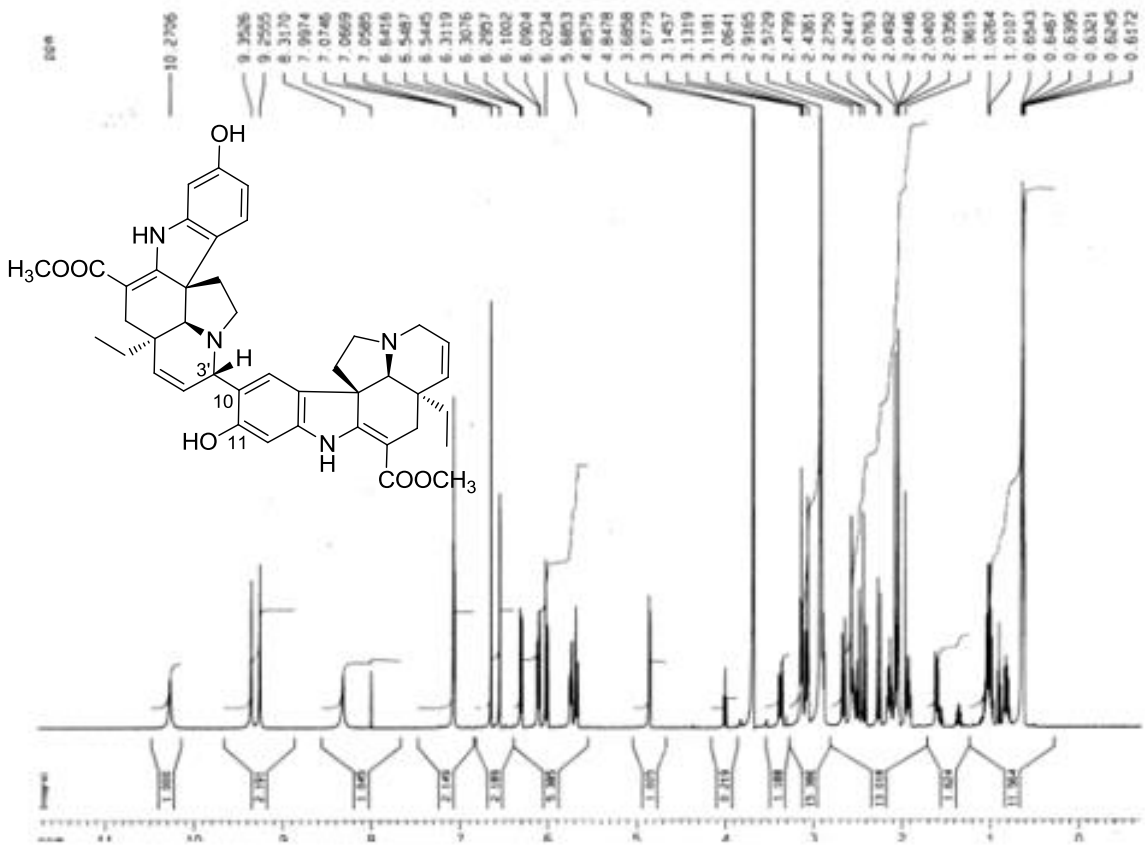


Figure 45S. ^{13}C NMR and DEPT of Melosuavine F (**6**) in acetone-d_6.

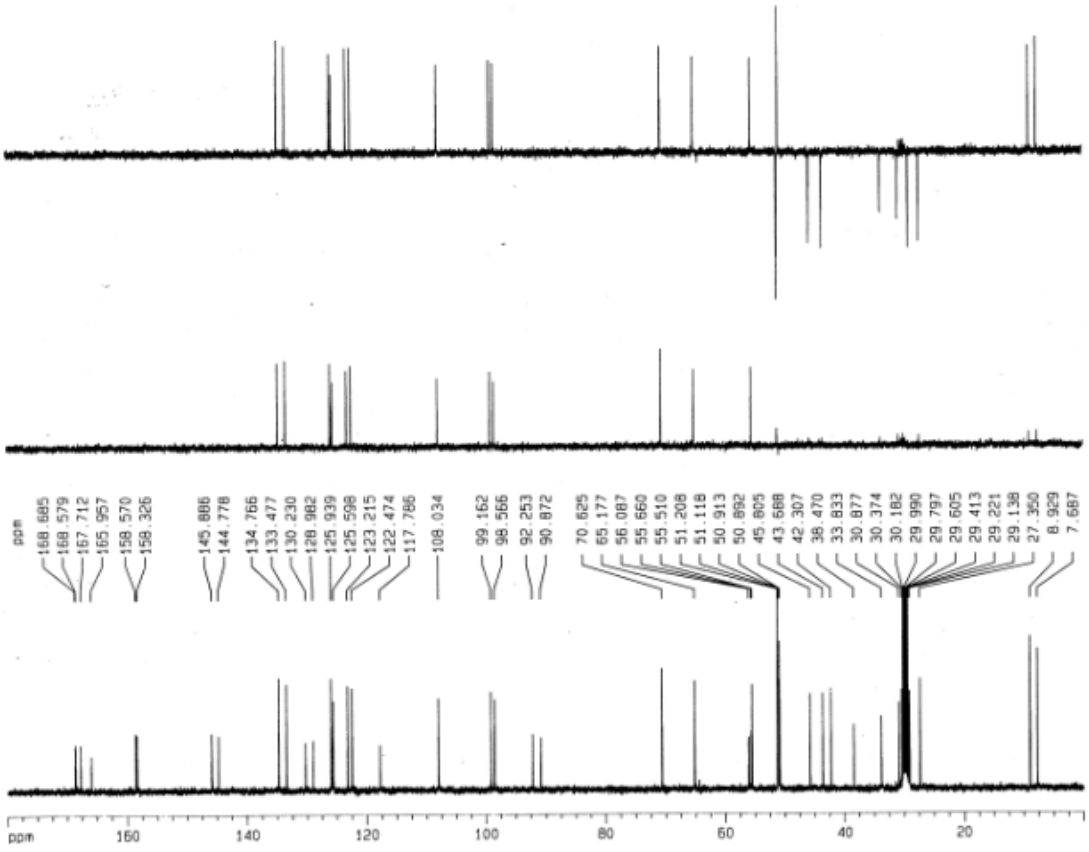


Figure 46S. HSQC of Melosuavine F (**6**) in acetone-d_6.

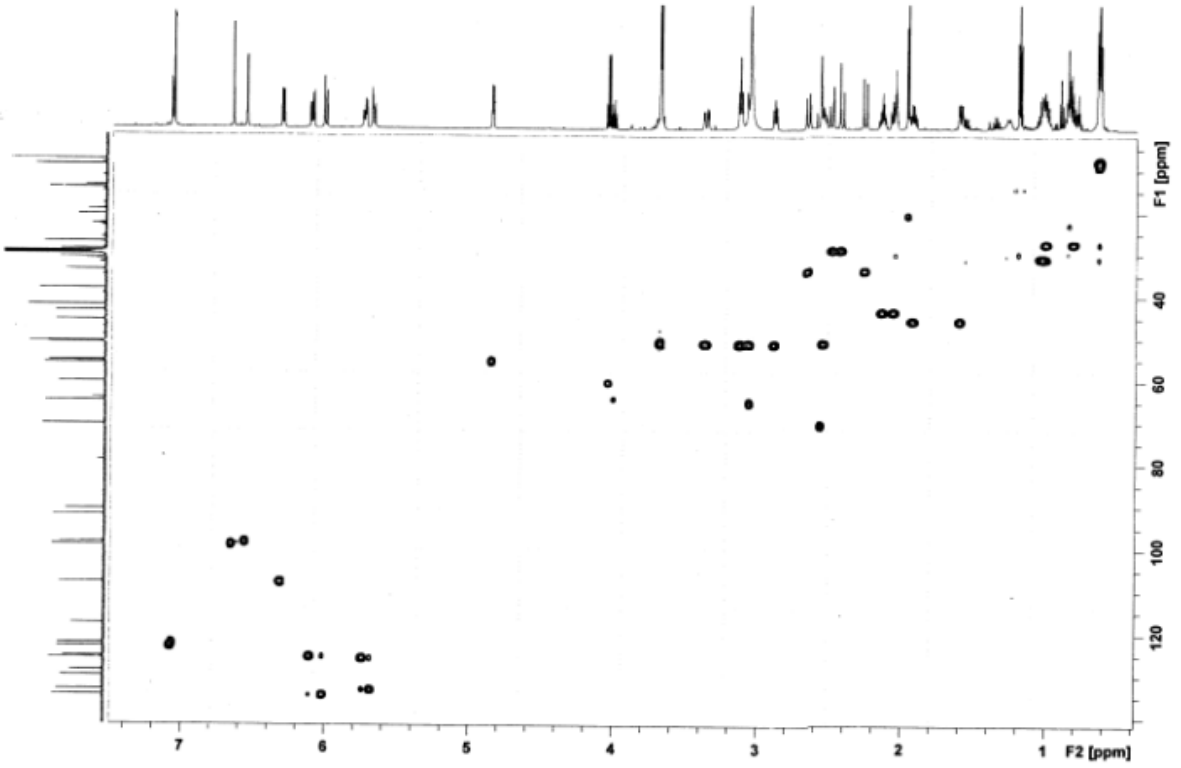


Figure 47S. HMBC of Melosuavine F (**6**) in acetone-d_6.

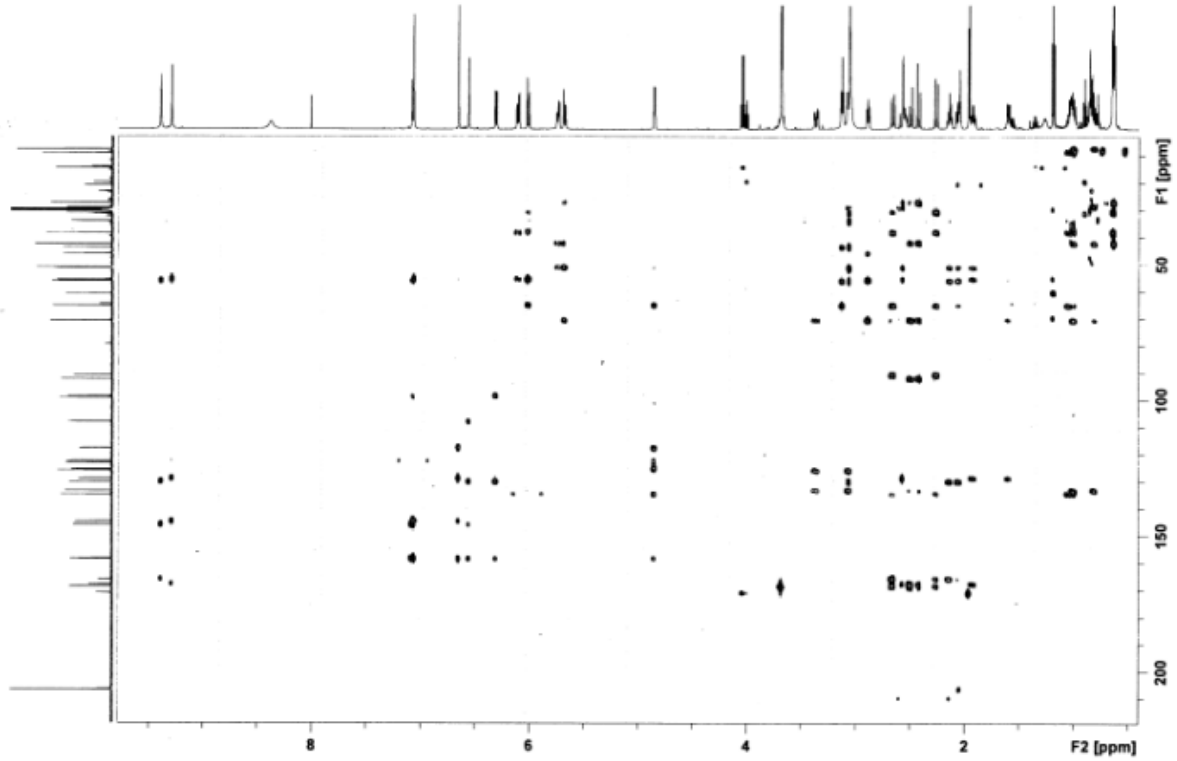


Figure 48S. HREIMS of Melosuavine F (**6**).

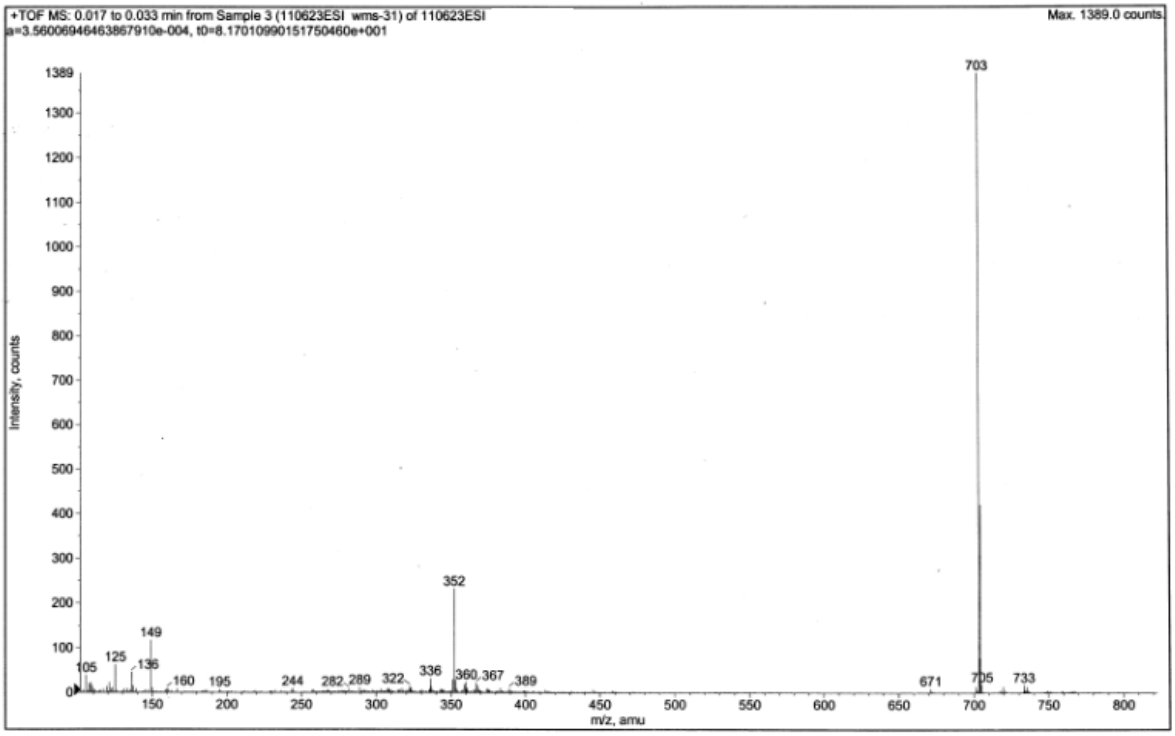


Figure 49S. HREIMS of Melosuavine F (**6**).

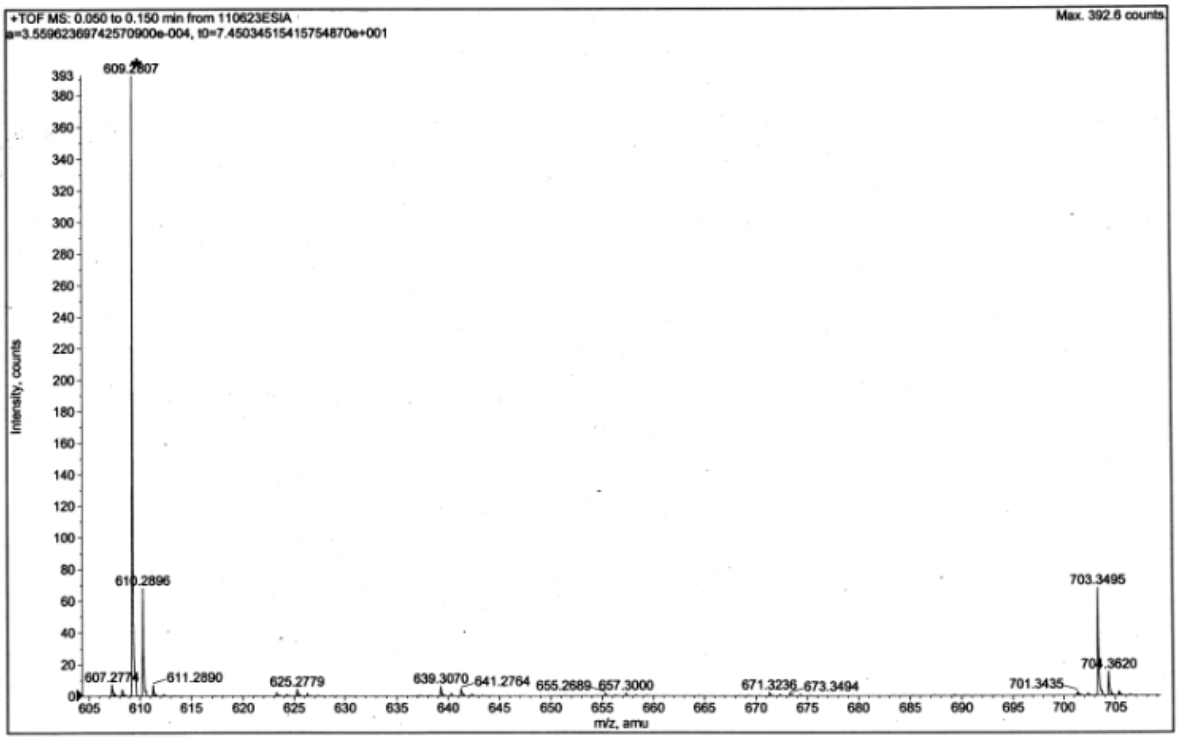


Figure 50S. ^{1}H NMR of Melosuavine G (**7**) in acetone-d_6.

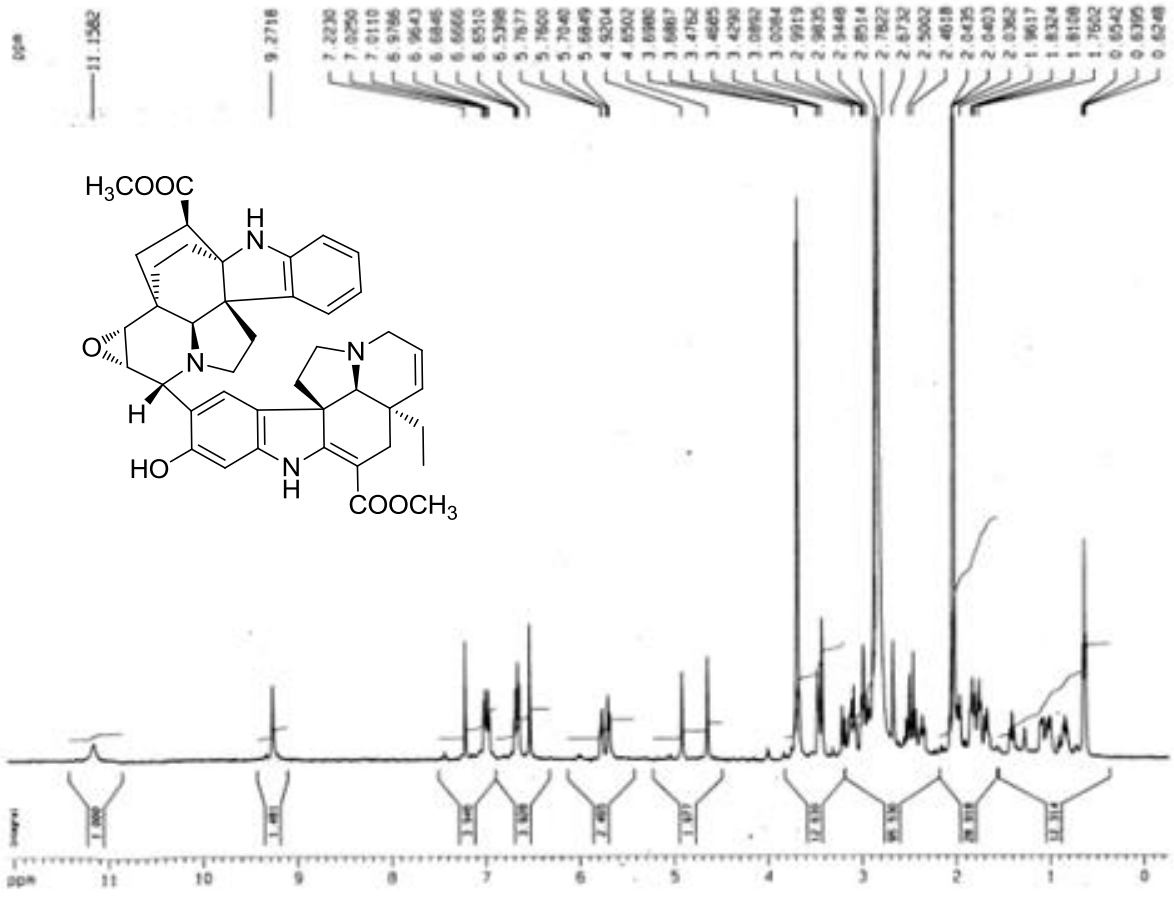


Figure 51S. ^{13}C NMR and DEPT of Melosuavine G (**7**) in acetone-d_6.

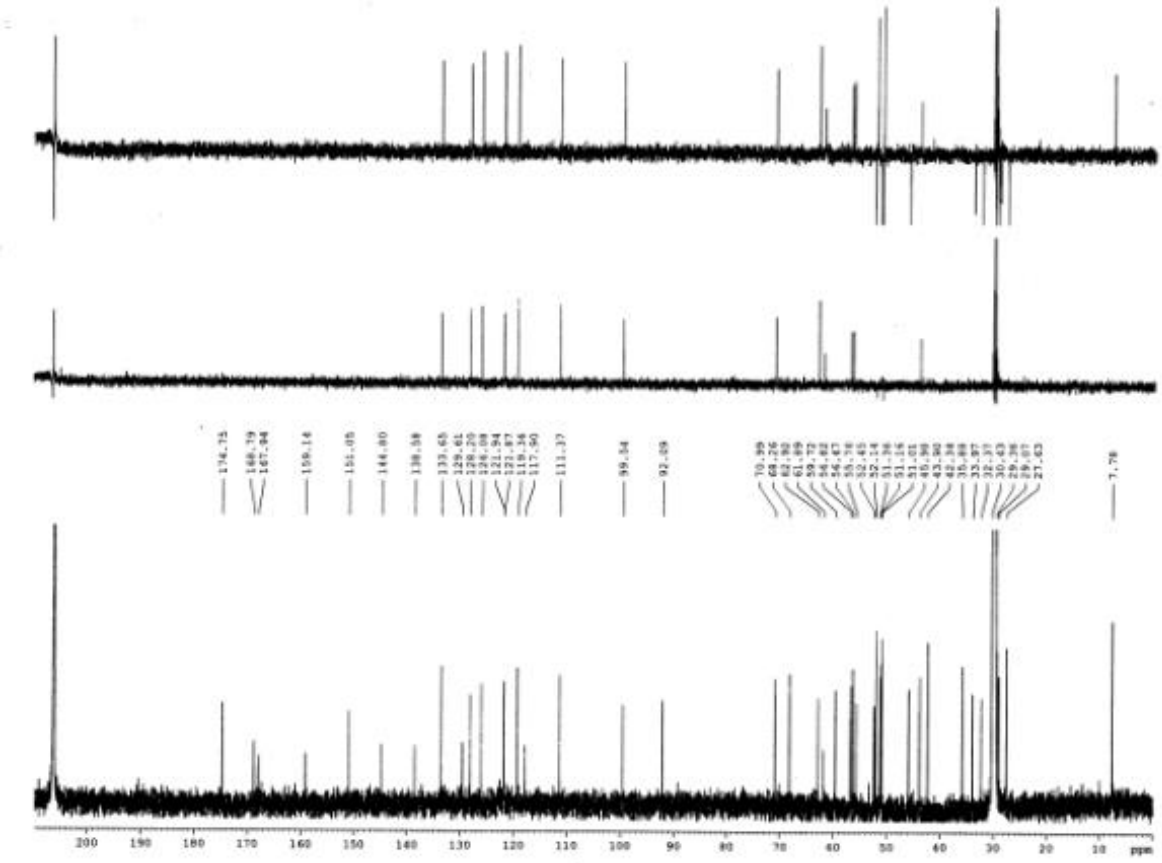


Figure 52S. HSQC of Melosuavine G (**7**) in acetone-d_6.

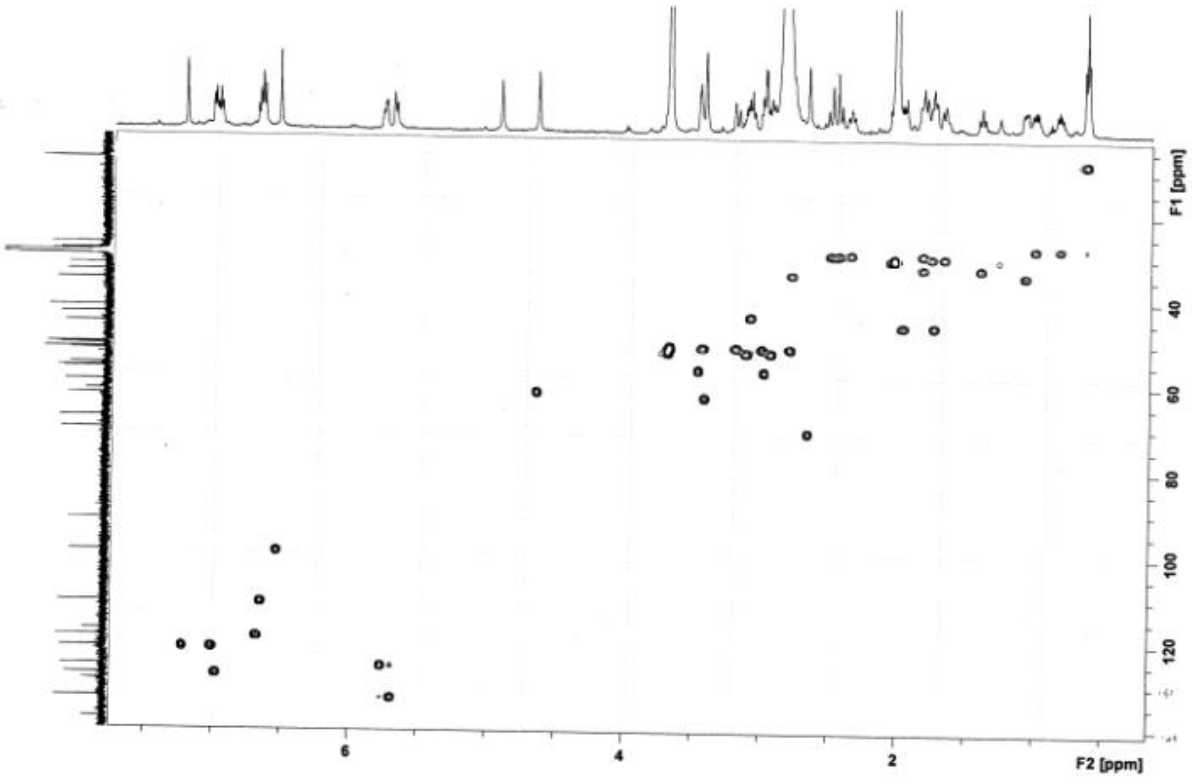


Figure 53S. HMBC of Melosuavine G (**7**) in acetone-d_6.

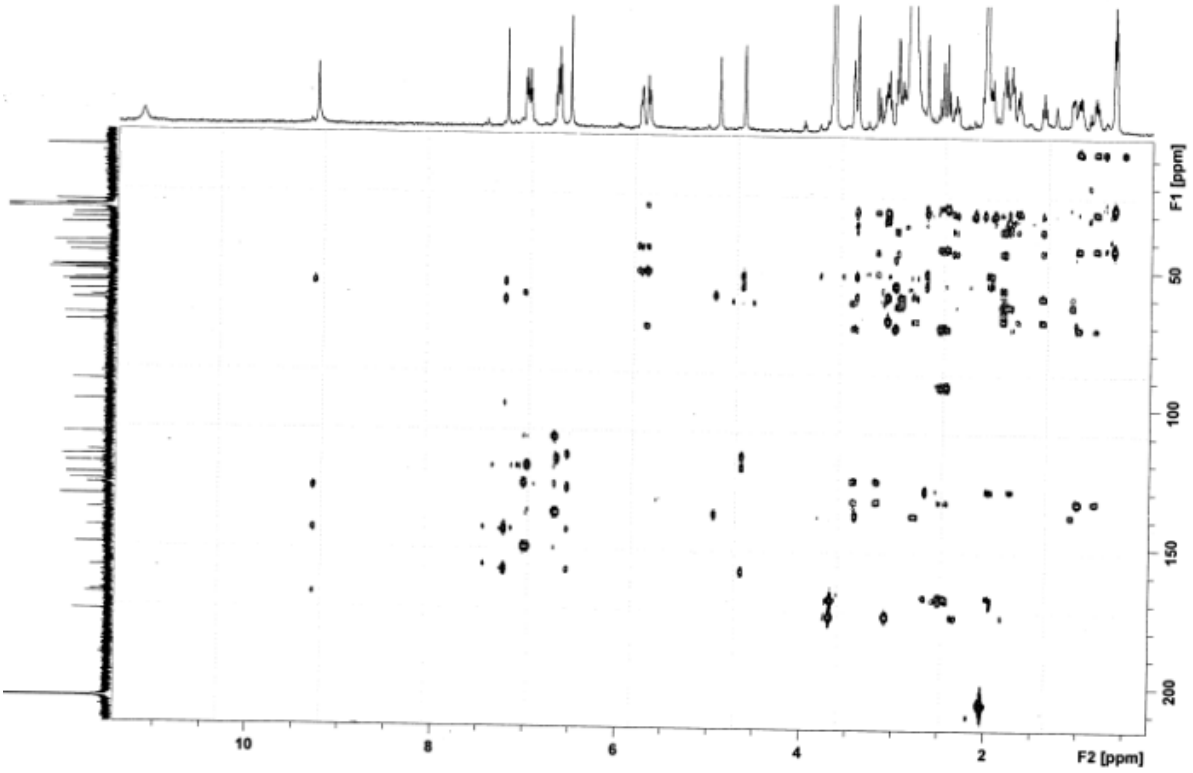


Figure 54S. ^{1}H-^{1}H-COSY of Melosuavine G (**7**) in acetone-d_6.

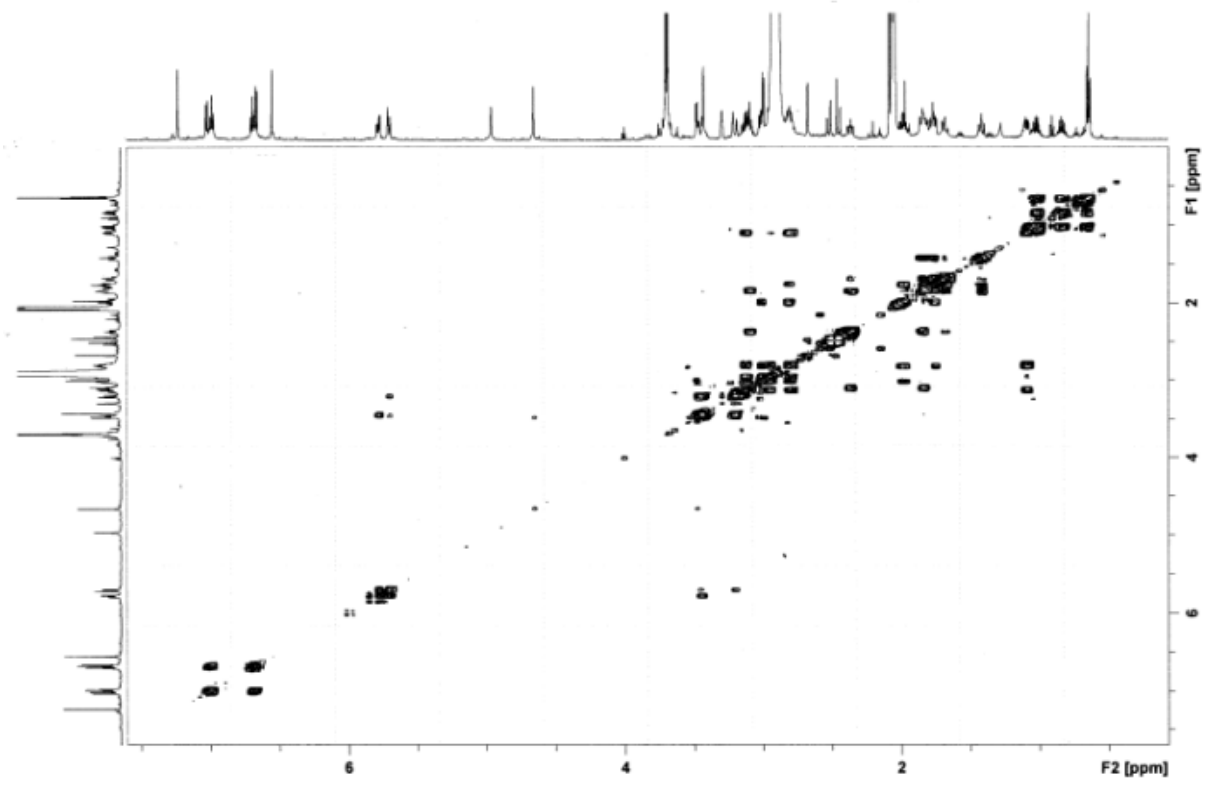


Figure 55S. ROESY of Melosuavine G (**7**) in acetone-d_6.

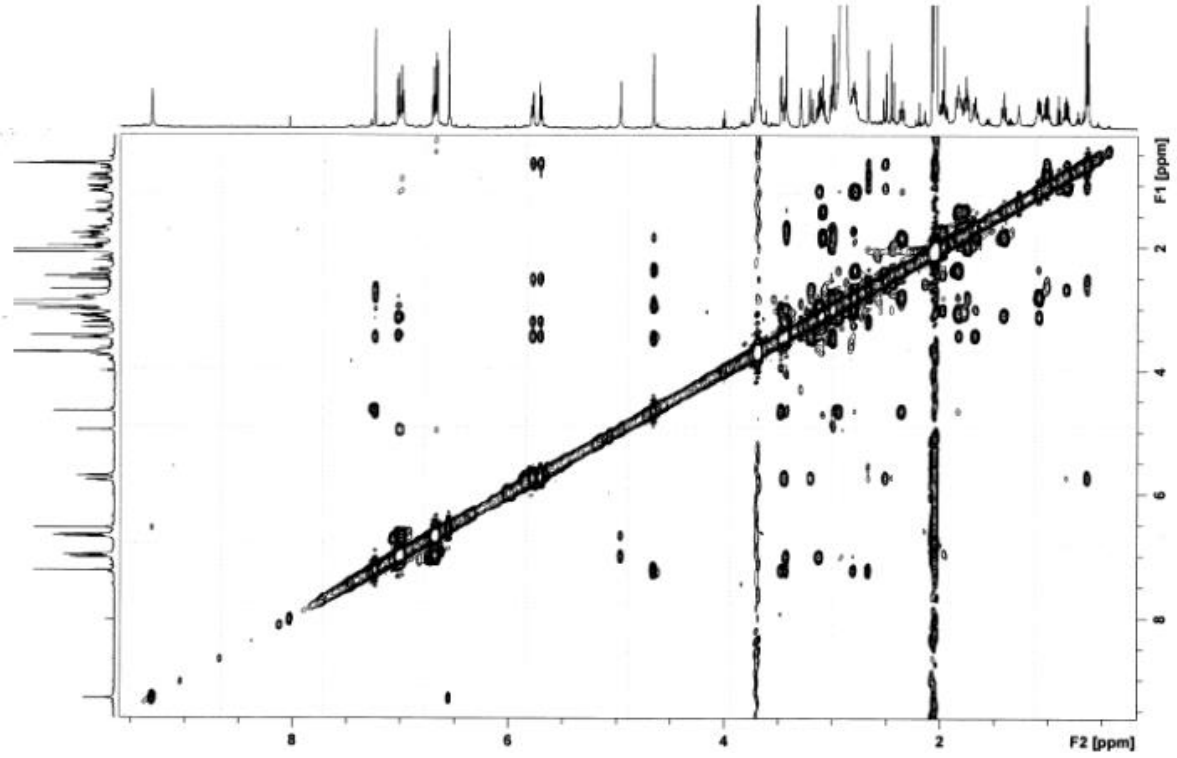


Figure 56S. ESIMS of Melosuavine G (**7**).

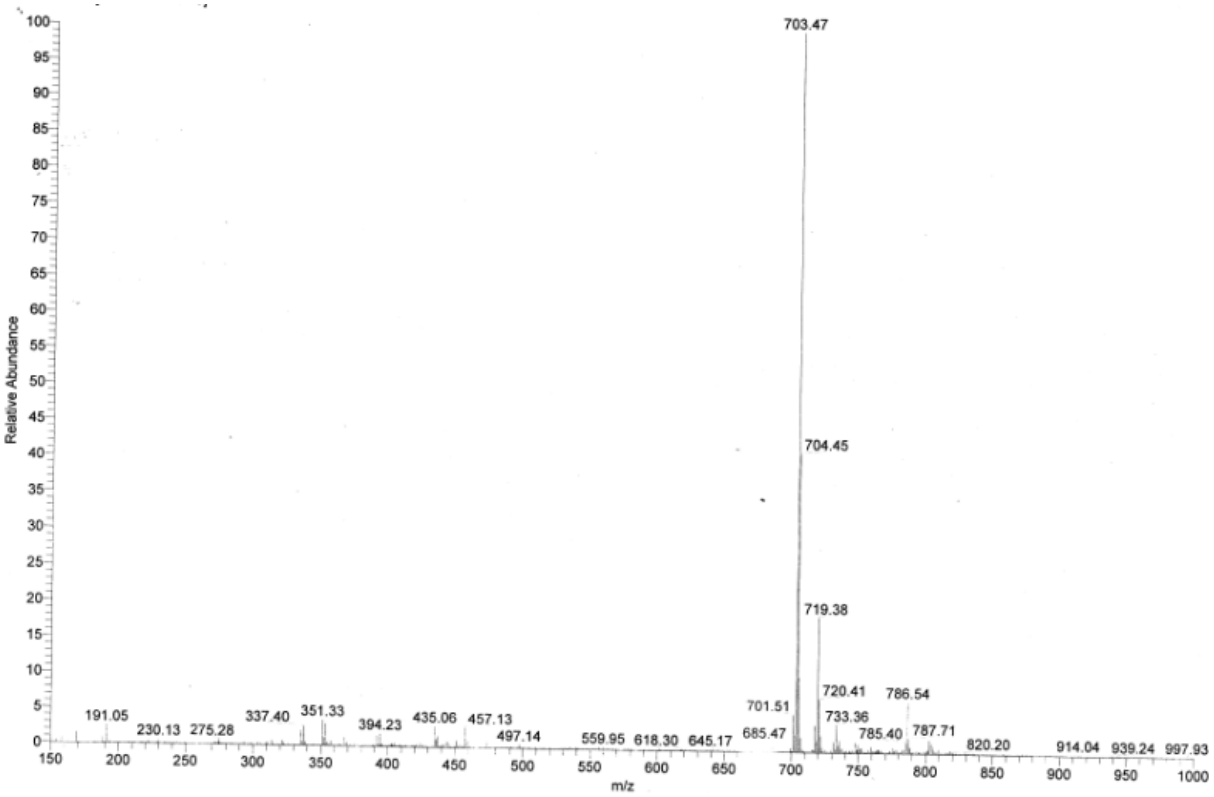


Figure 57S. HRESIMS of Melosuavine G (**7**).

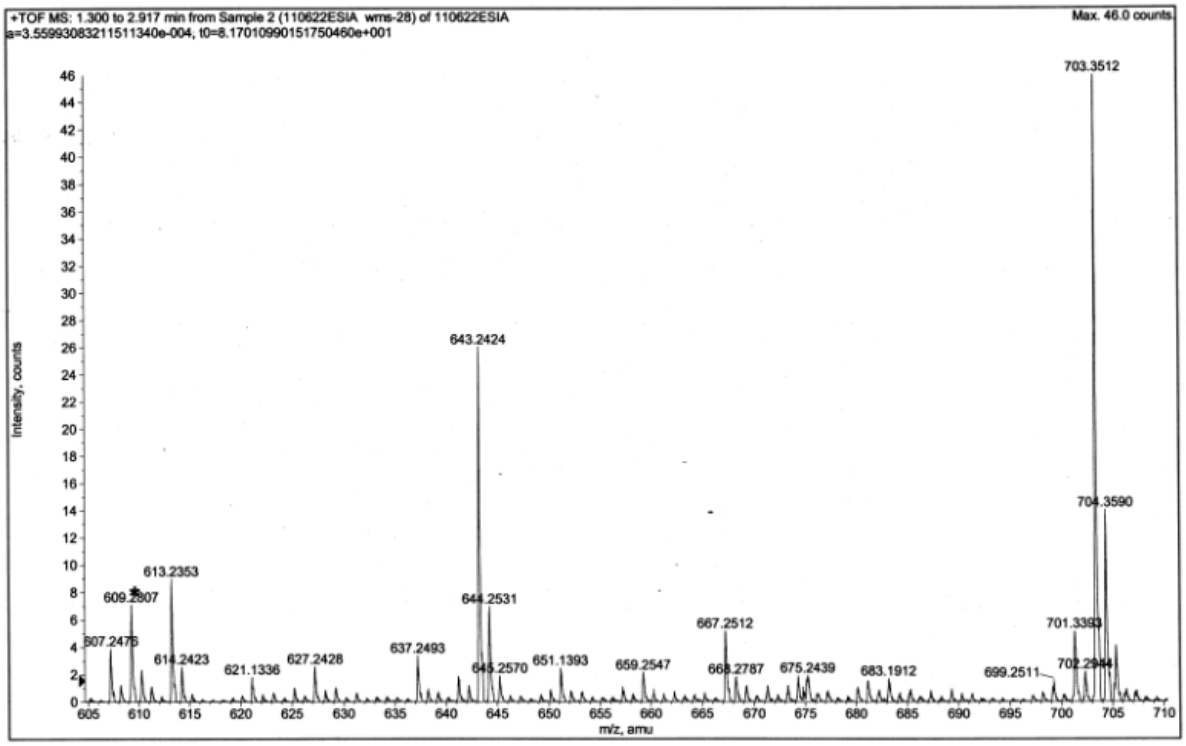


Figure 58S. ^{1}H NMR of Melosuavine H (**8**) in acetone-d_6.

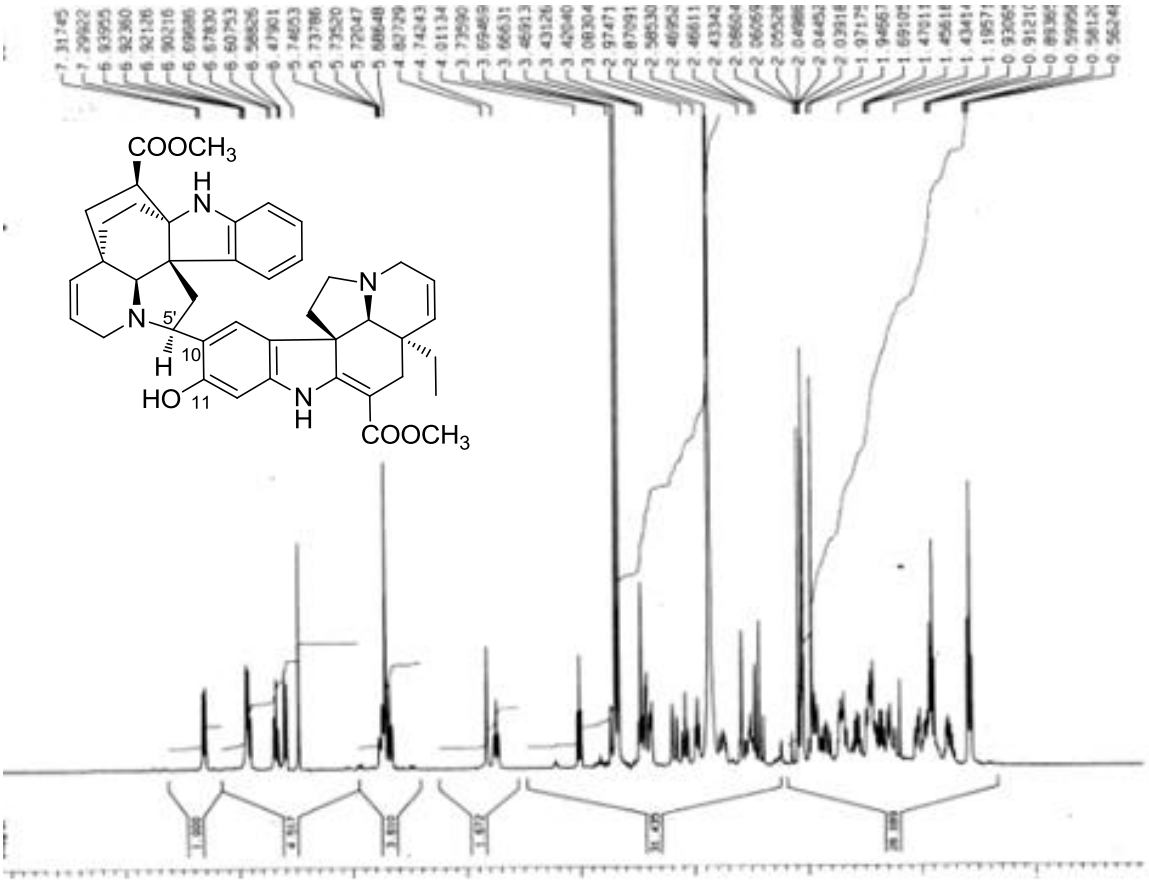


Figure 59S. ^{13}C NMR and DEPT of Melosuavine H (**8**) in acetone-d_6.

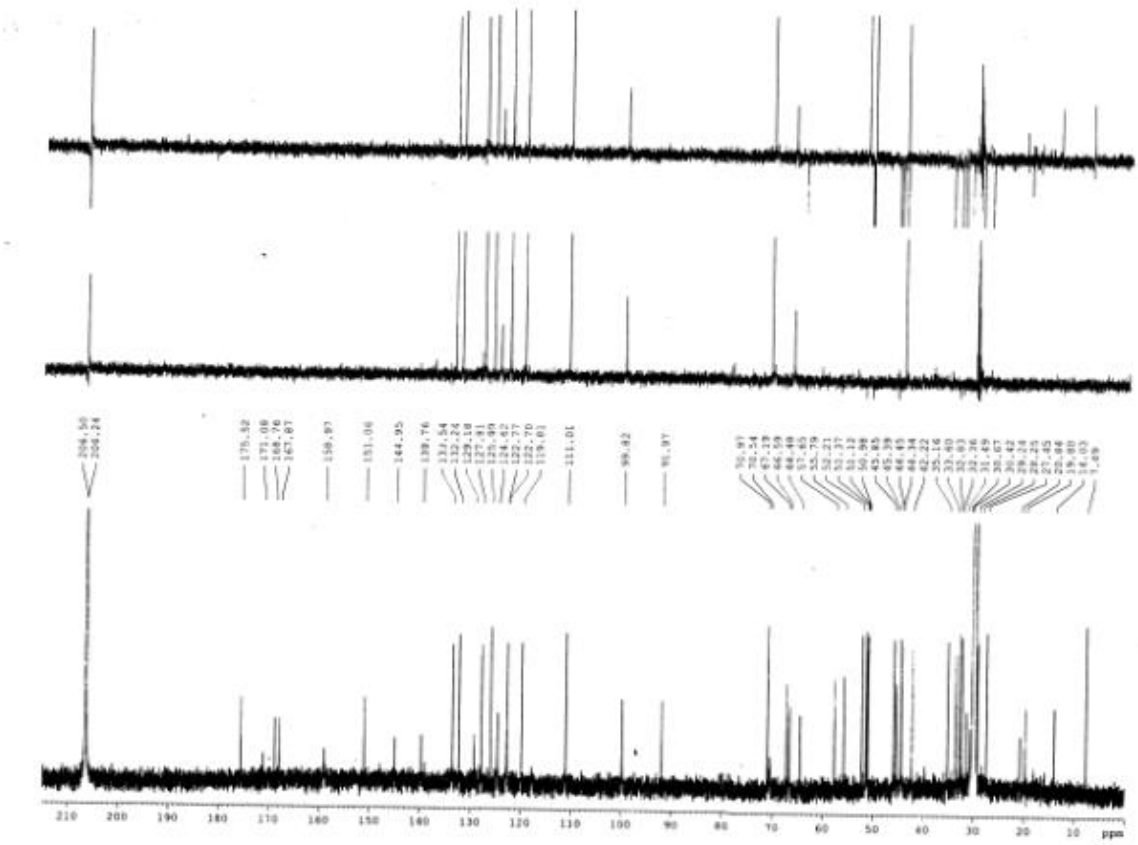


Figure 60S. HSQC of Melosuavine H (**8**) in acetone-d_6.

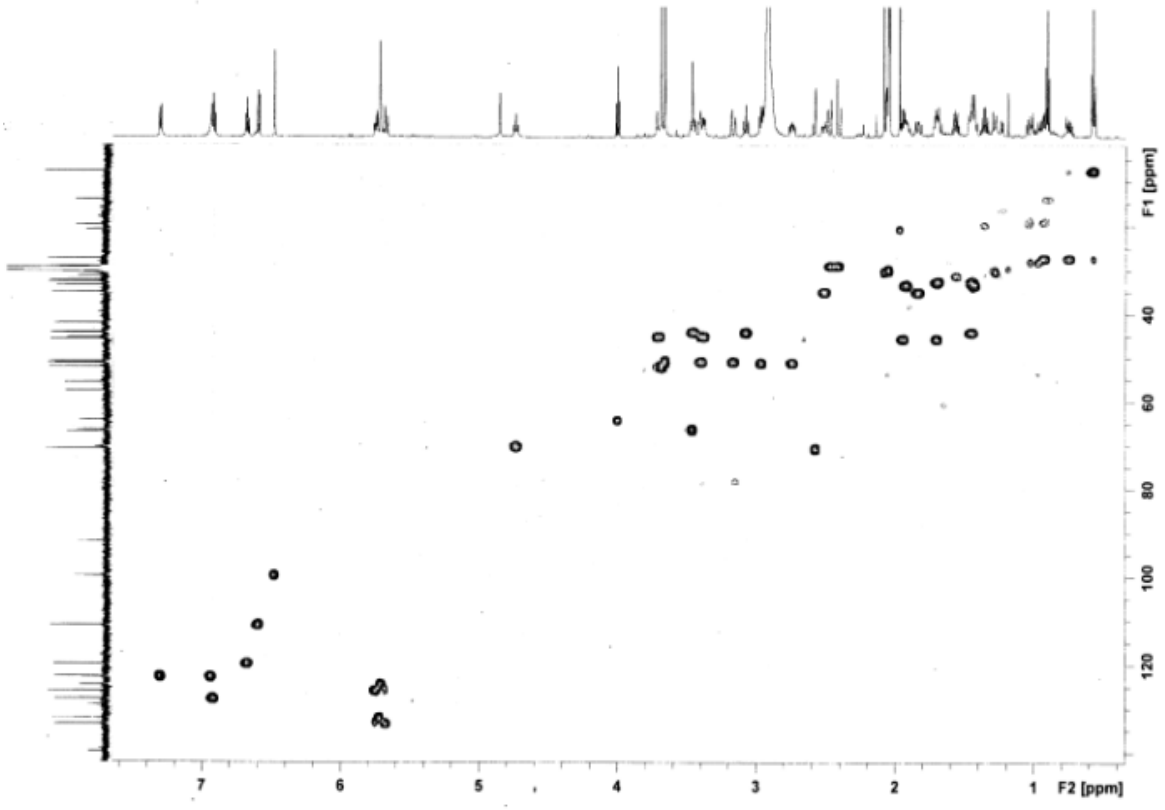


Figure 61S. HMBC of Melosuavine H (**8**) in acetone-d_6.

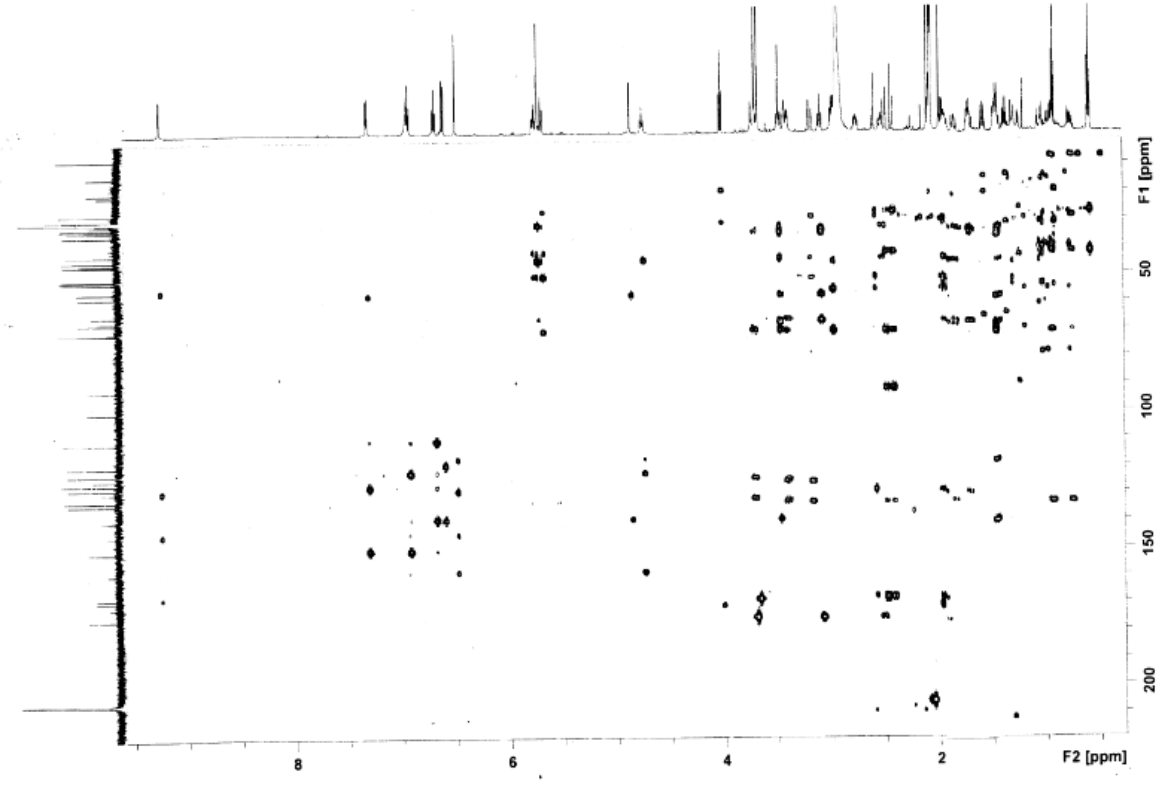


Figure 62S. ROESY of Melosuavine H (**8**) in acetone-d_6.

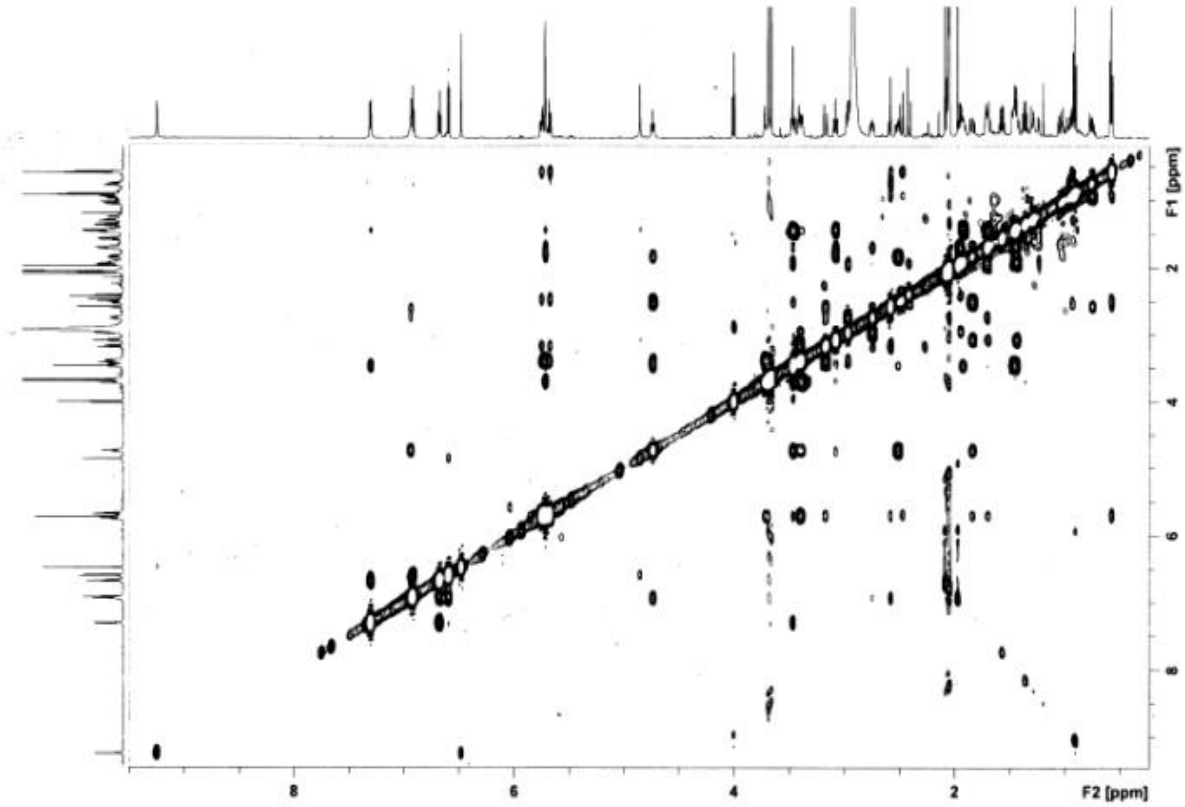


Figure 63S. ESIMS of Melosuavine H (**8**).

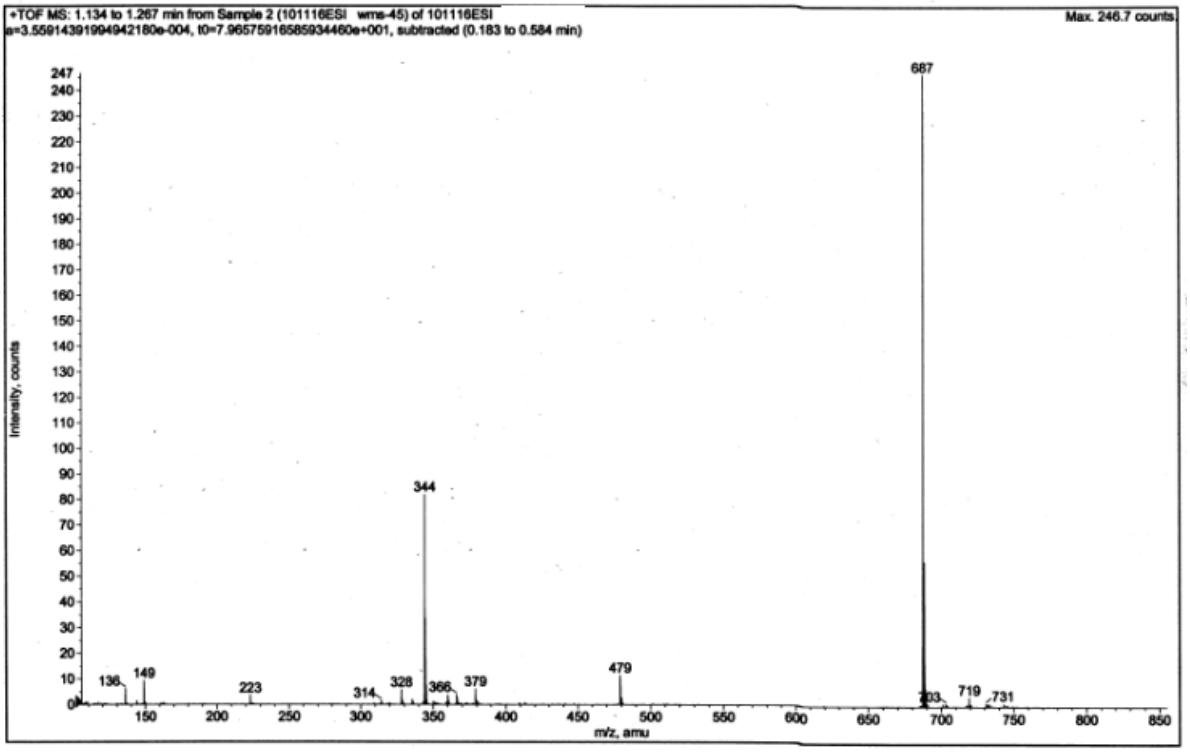


Figure 64S. HRESIMS of Melosuavine H (**8**).

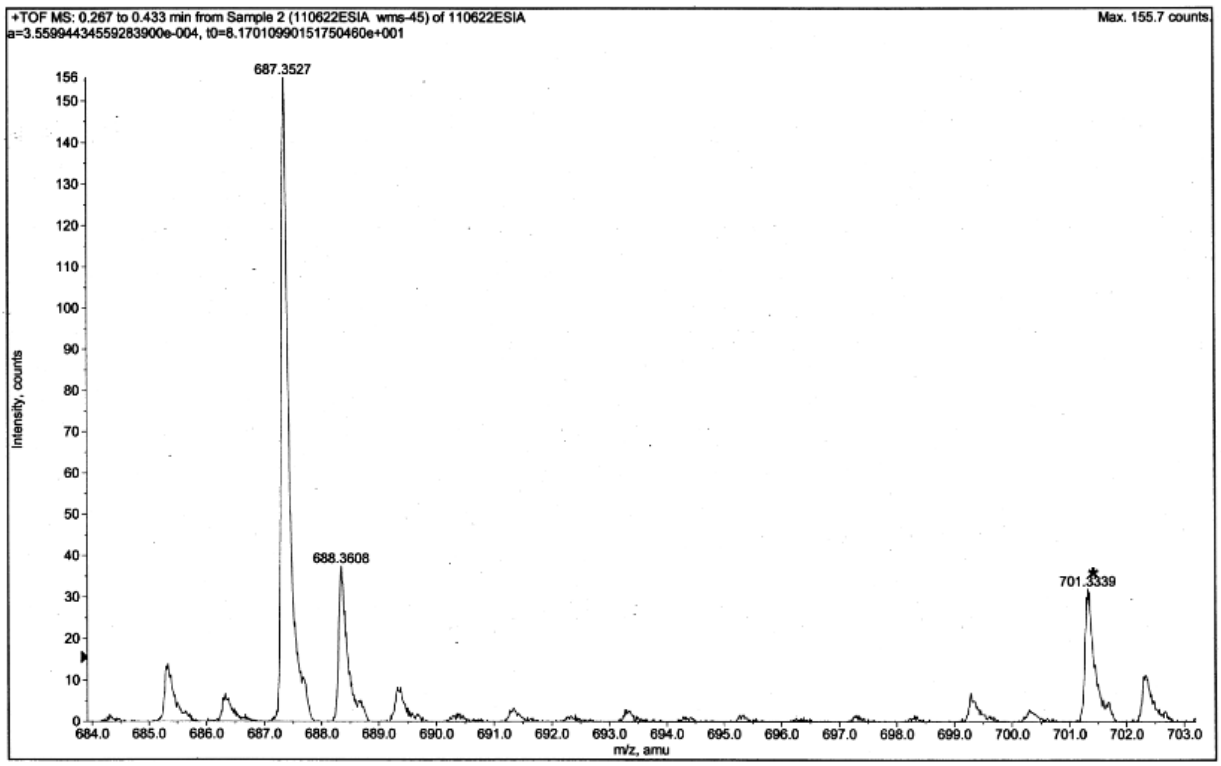


Figure 65S. ^{1}H NMR of Tenuicausine (**9**) in acetone-d_6.

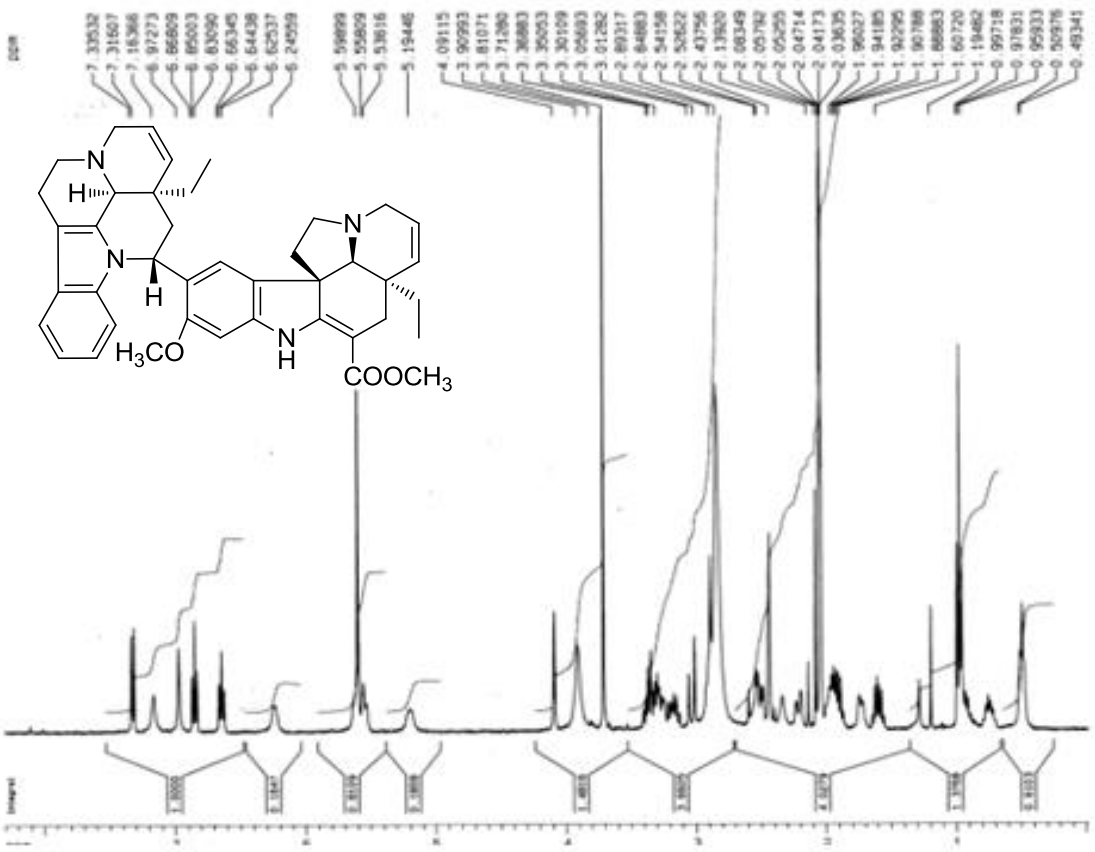


Figure 66S. ^{13}C NMR and DEPT of Tenuicausine (**9**) in acetone-d_6.

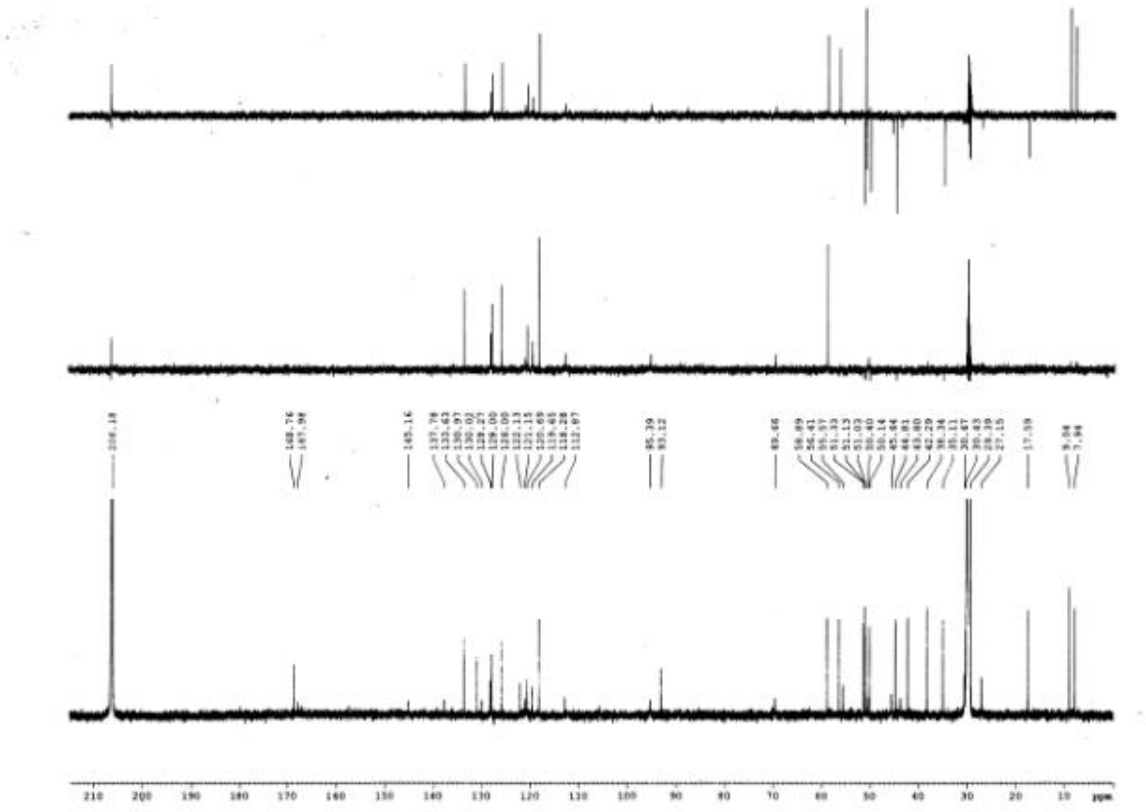


Figure 67S. HSQC of Tenuicausine (**9**) in acetone-d_6.

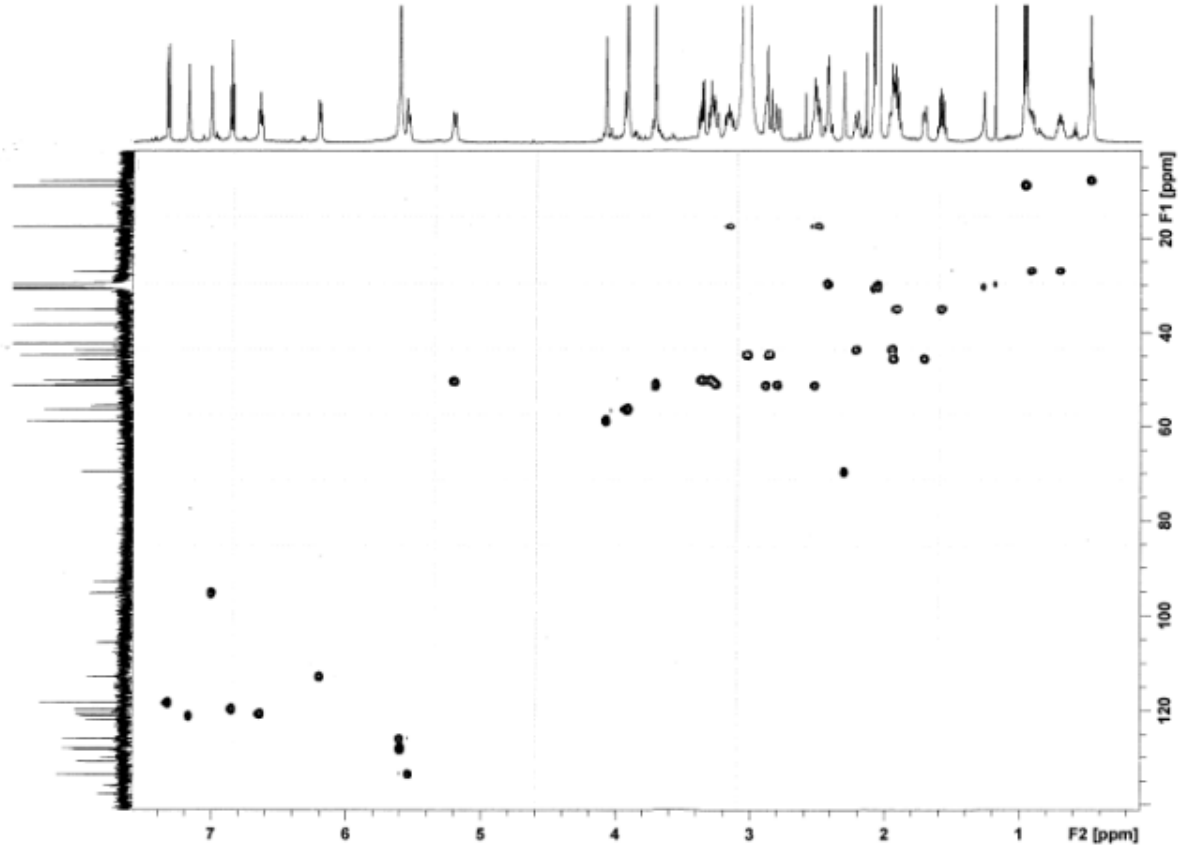


Figure 68S. HMBC of Tenuicausine (**9**) in acetone-d_6.

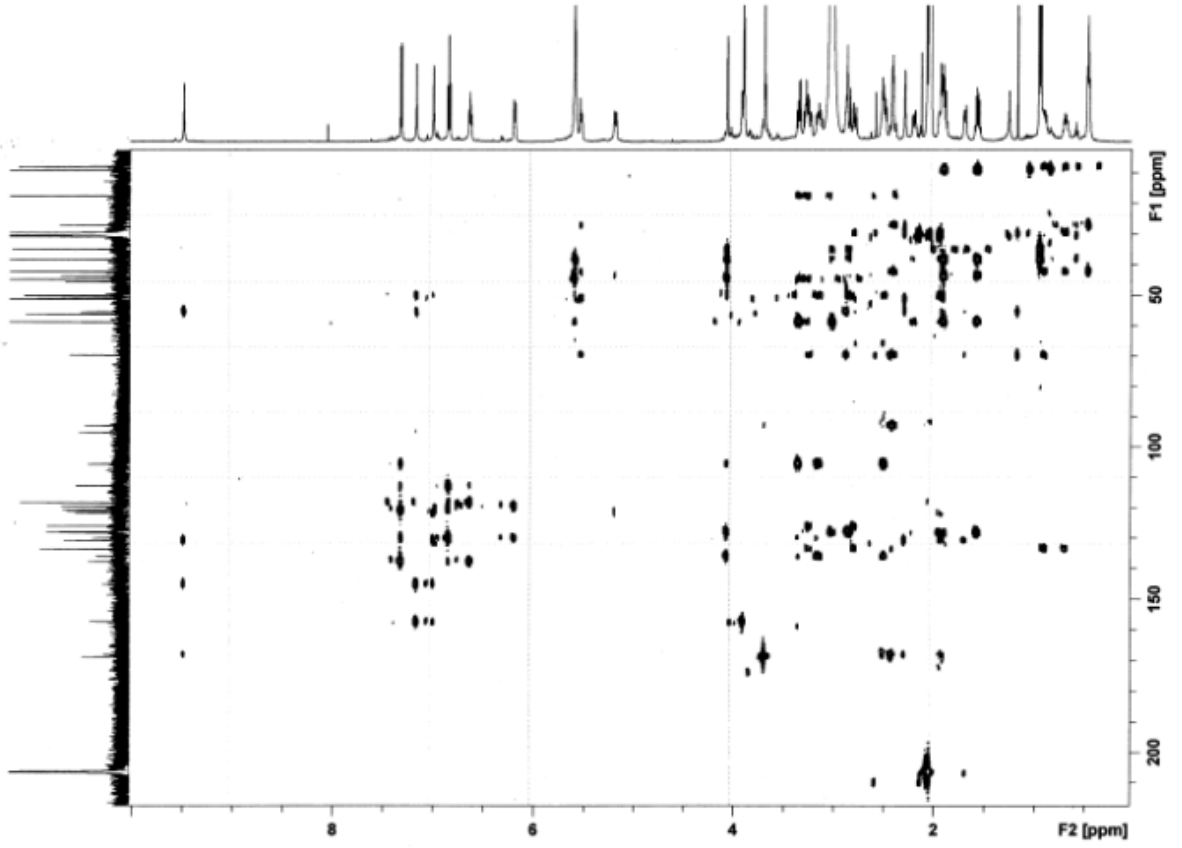


Figure 69S. ROESY of Tenuicausine (**9**) in acetone-d_6.

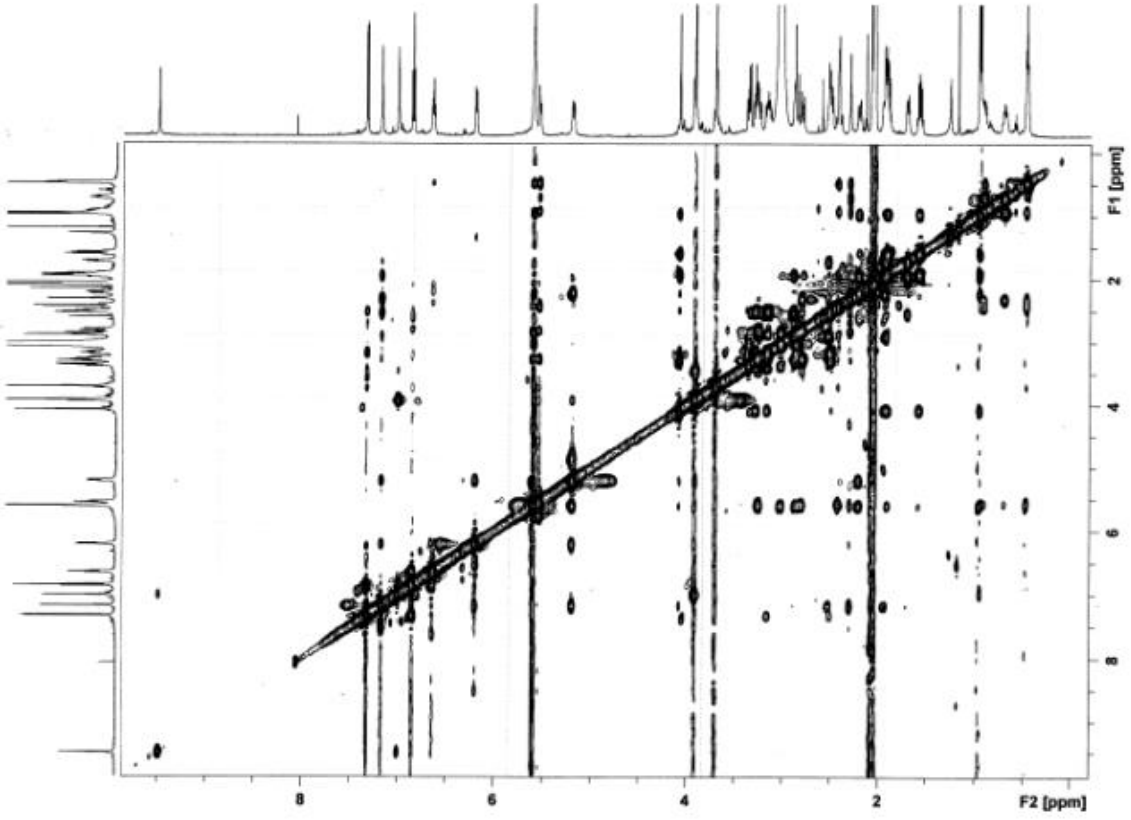


Figure 70S. ESIMS of Tenuicausine (**9**).

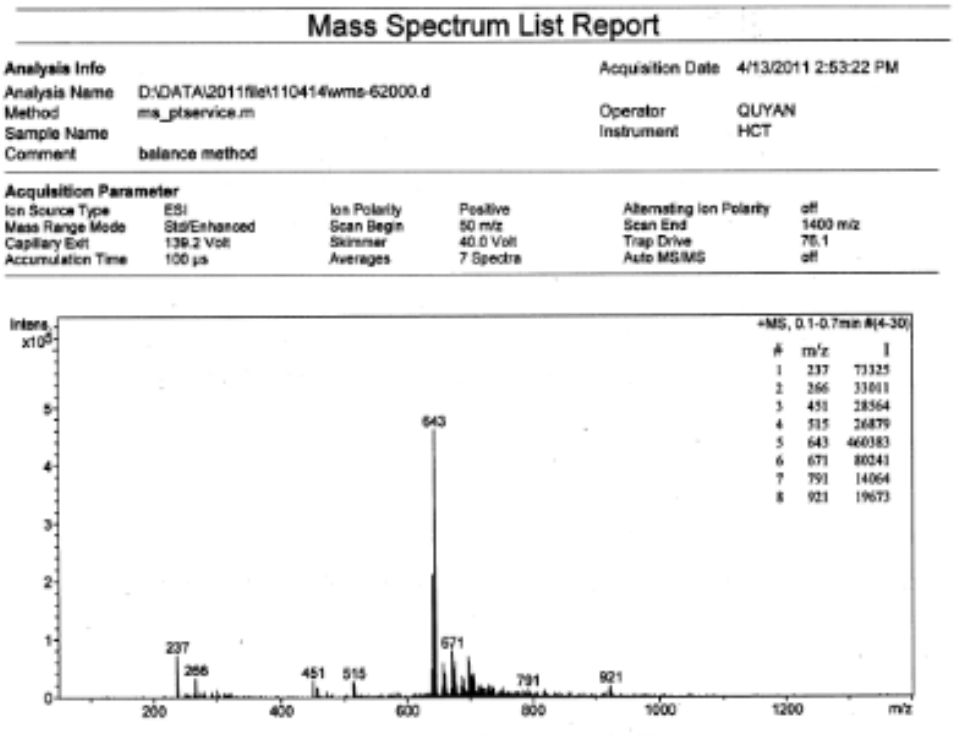


Figure 71S. HRESIMS of Tenuicausine (**9**).

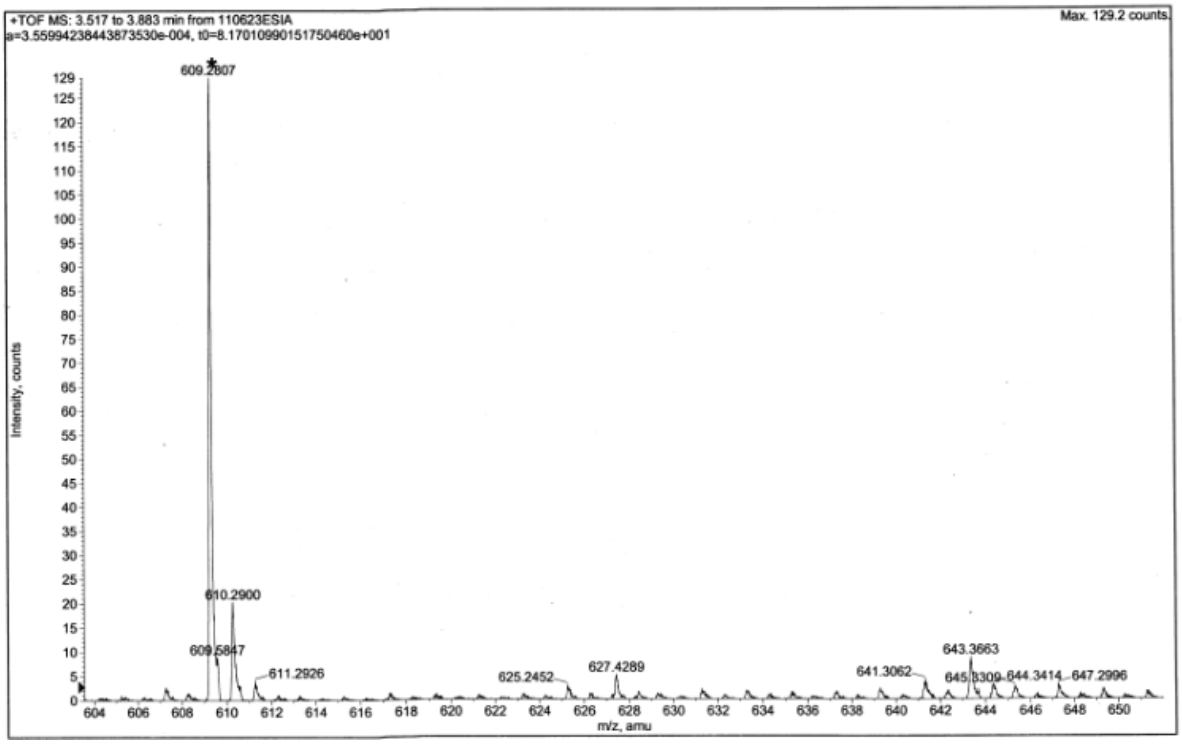


Figure 72S. ^{1}H NMR of Melodinine J (**10**) in acetone-d_6.

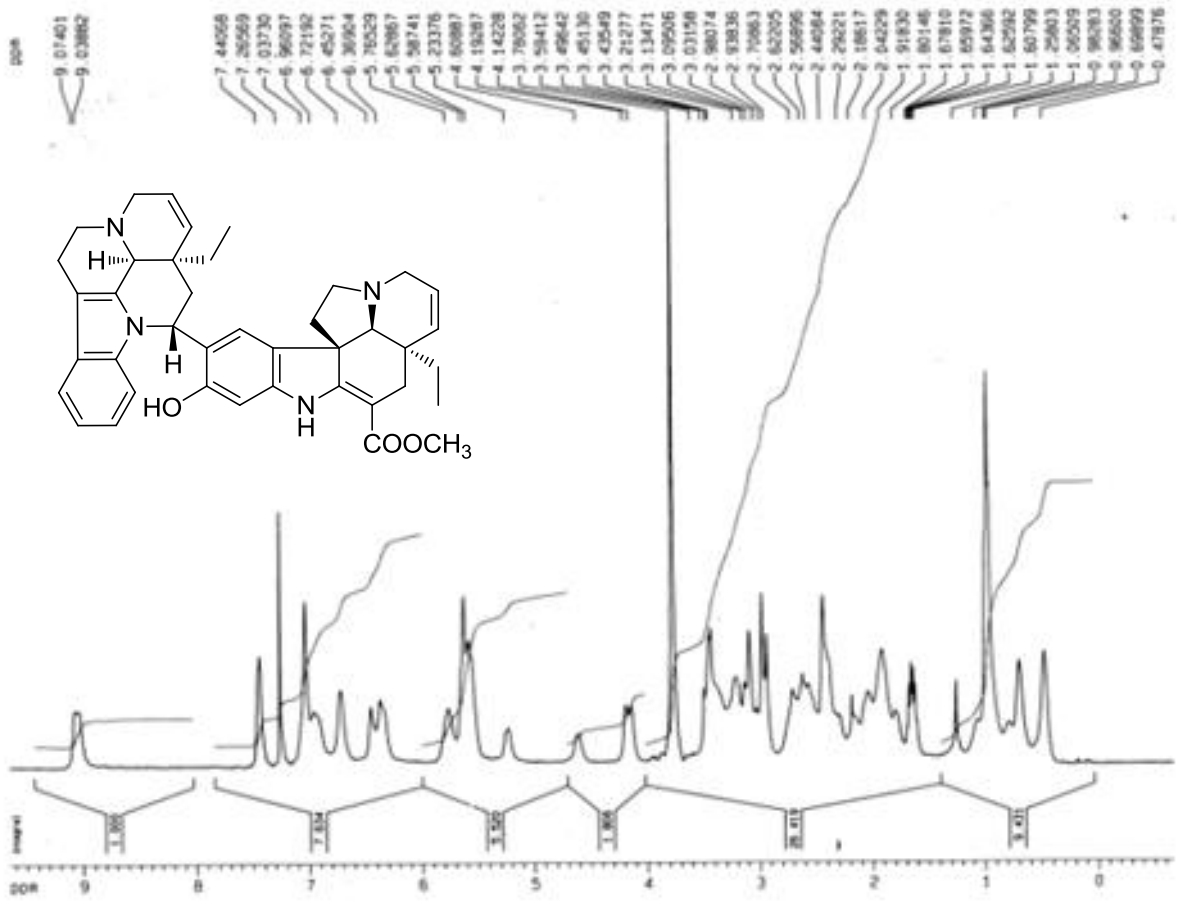


Figure 73S. ^{13}C NMR and DEPT of Melodinine J (**10**) in acetone-d_6.

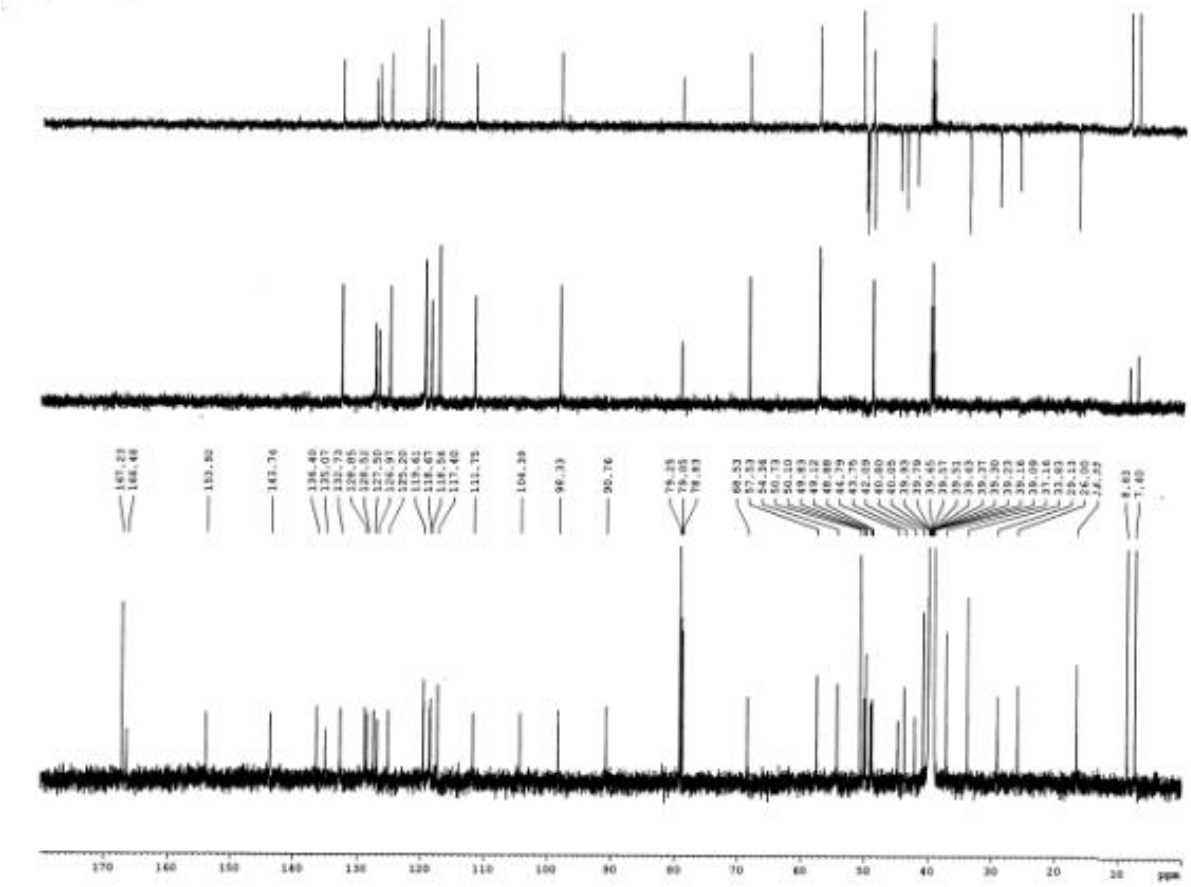
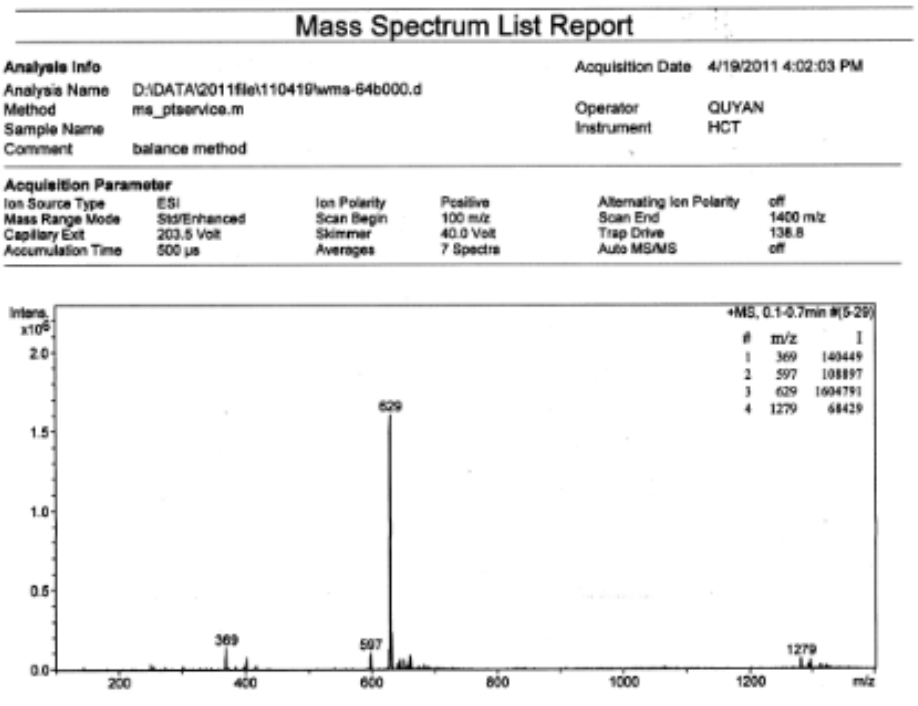


Figure 74S. ESIMS of Melodinine J (**10**).



Mass Spectrum List Report

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Method	ms_ptservice.m	Operator	QUYAN
Sample Name		Instrument	HCT
Comment	balance method		

Acquisition Parameter

Ion Source Type	ESI	Ion Polarity	Positive	Alternating Ion Polarity	off
Mass Range Mode	Std/Enhanced	Scan Begin	100 m/z	Scan End	1400 m/z
Capillary Exit	203.5 Volt	Skimmer	40.0 Volt	Trap Drive	138.8
Accumulation Time	500 µs	Averages	7 Spectra	Auto MS/MS	off