Supporting Information

Polyacetylenes from the Roots of *Polyalthia debilis*

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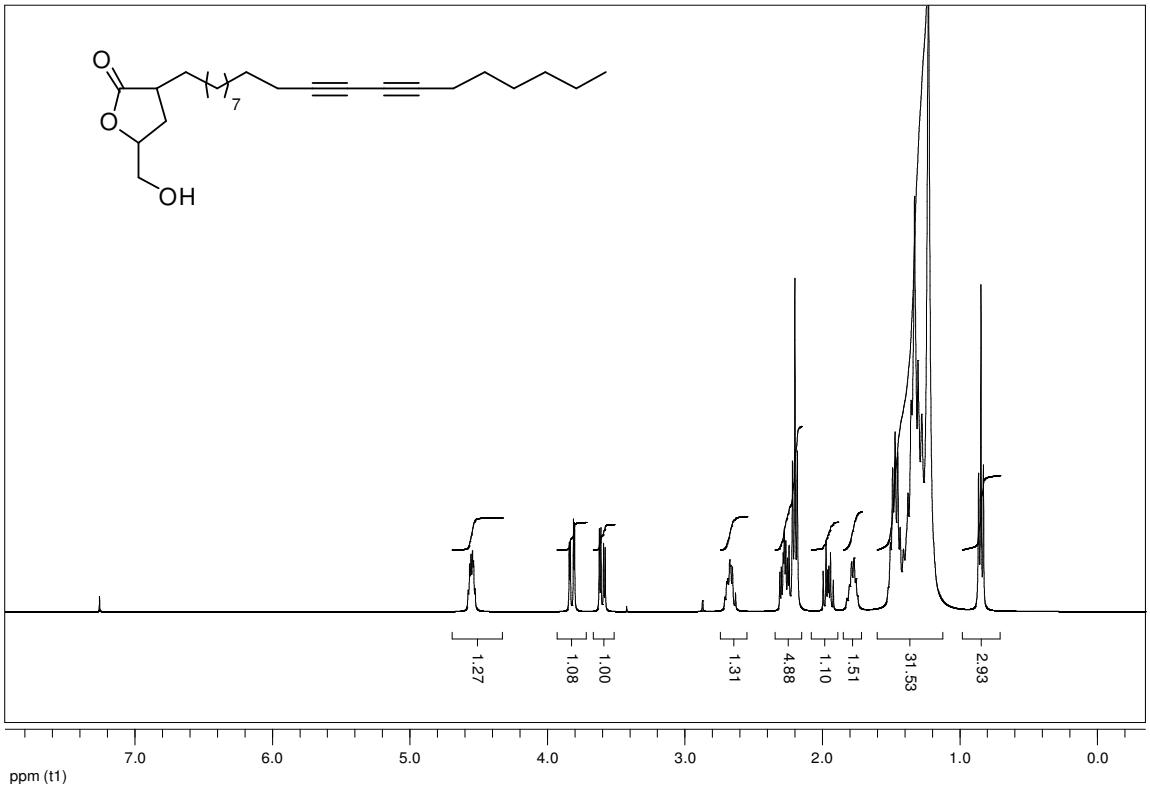
S20: EIMS spectrum for debilisone E (**5**)

S21: ^{1}H NMR spectrum for debilisone F (**6**) recorded in $CDCl_3$ at 400 MHz

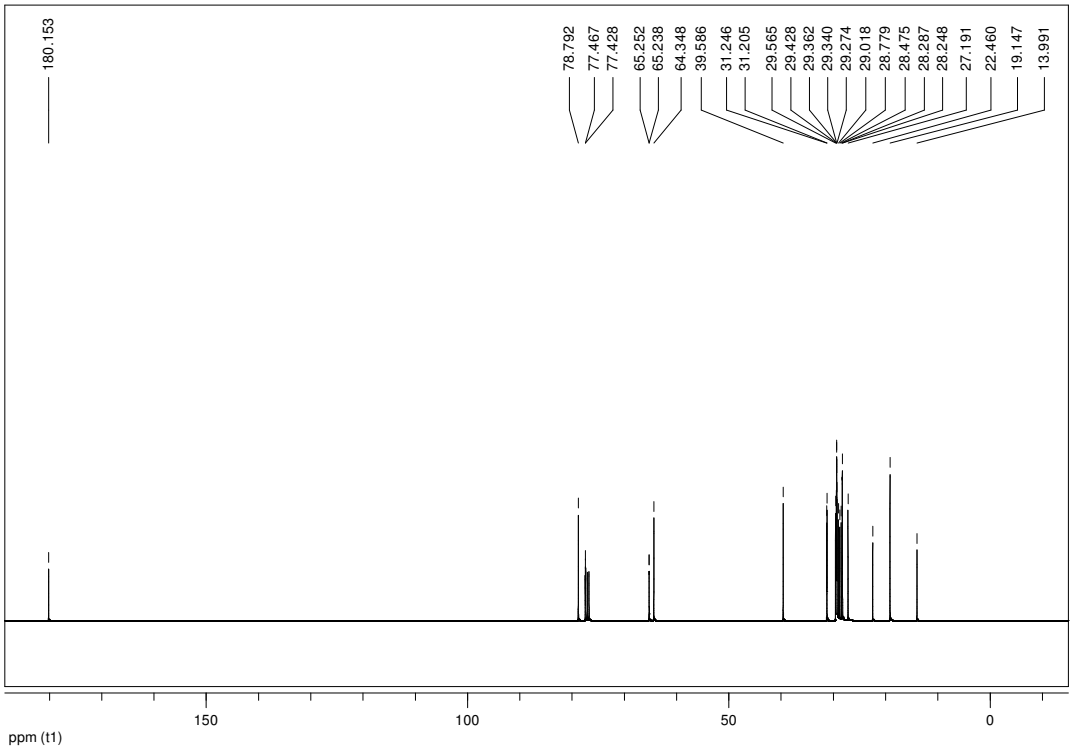
S22: ^{13}C NMR spectrum for debilisone F (**6**) recorded in $CDCl_3$ at 100 MHz

S23: NOESY spectrum for debilisone F (**6**)

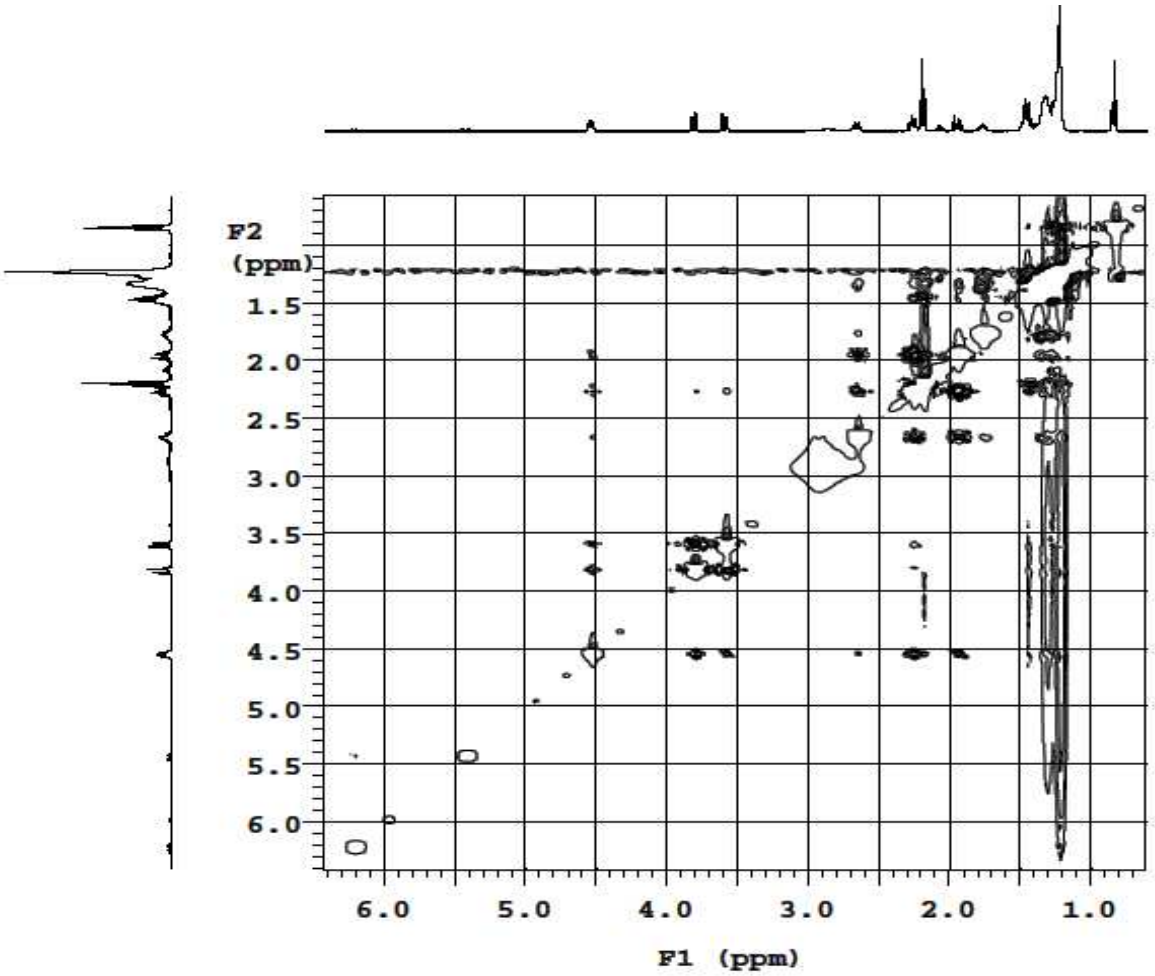
S24: EIMS spectrum for debilisone F (**6**)



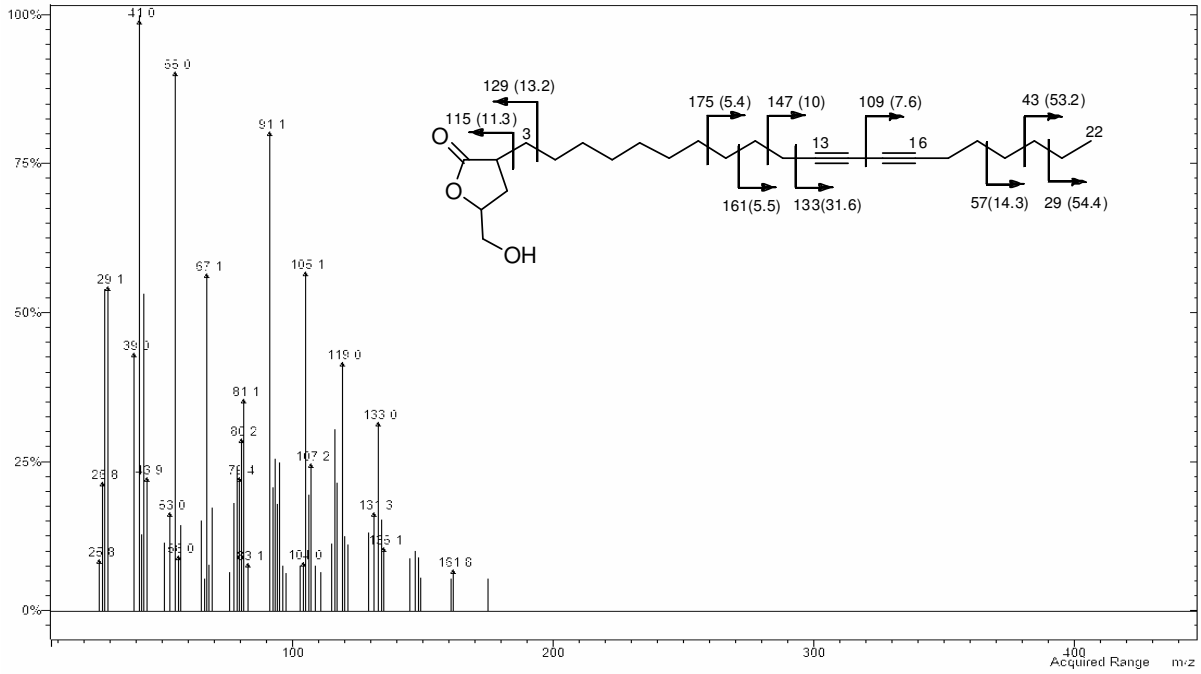
S1: ^{1}H NMR spectrum for debilisone A (**1**) recorded in $CDCl_3$ at 400 MHz



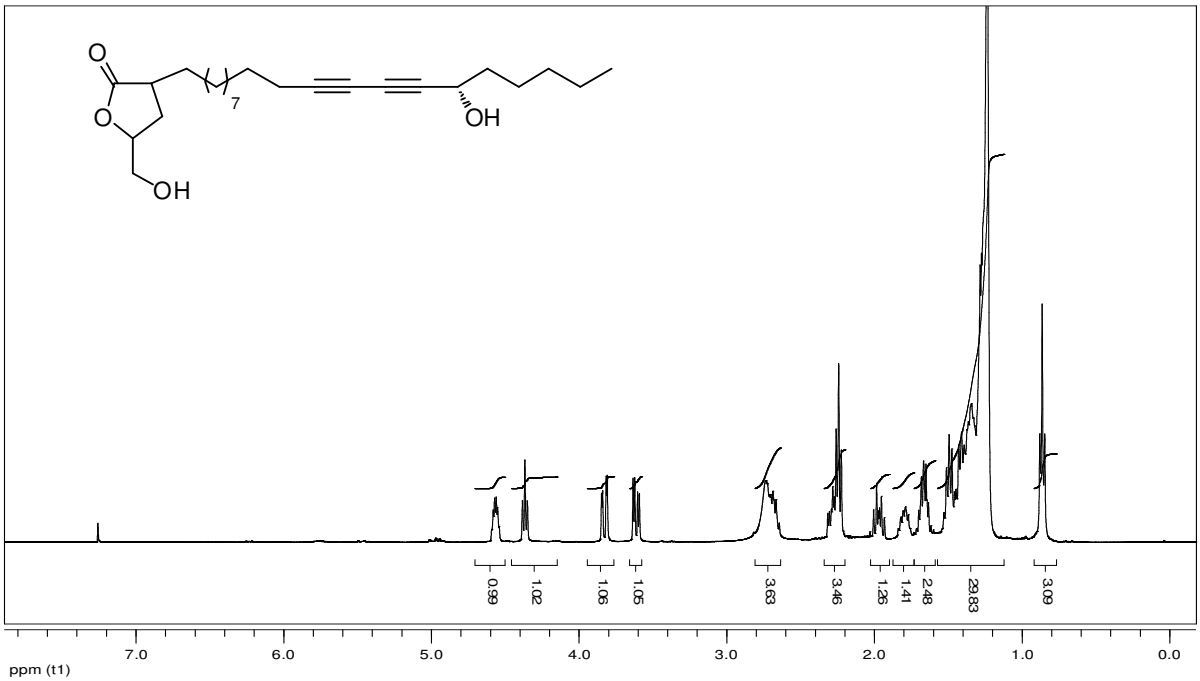
S2: ^{13}C NMR spectrum for debilisone A (**1**) recorded in $CDCl_3$ at 100 MHz



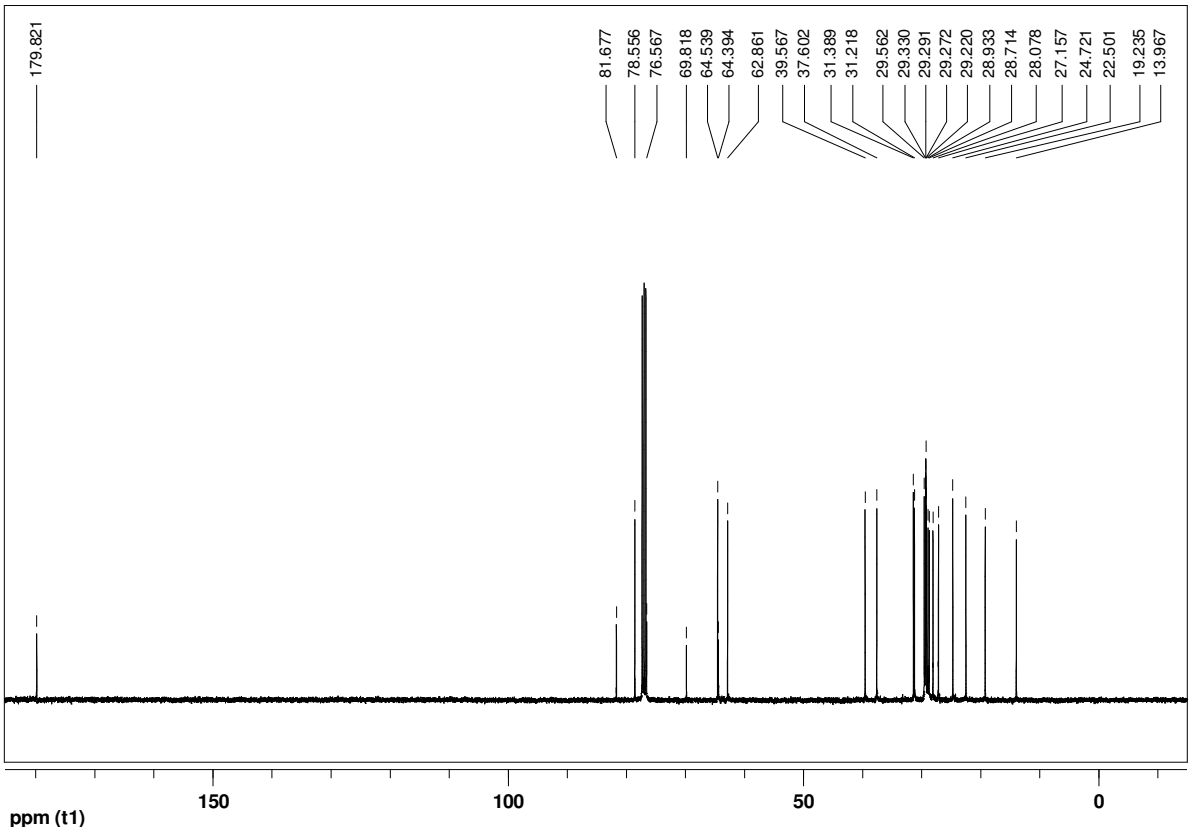
S3: NOESY spectrum for debilisone A (**1**)



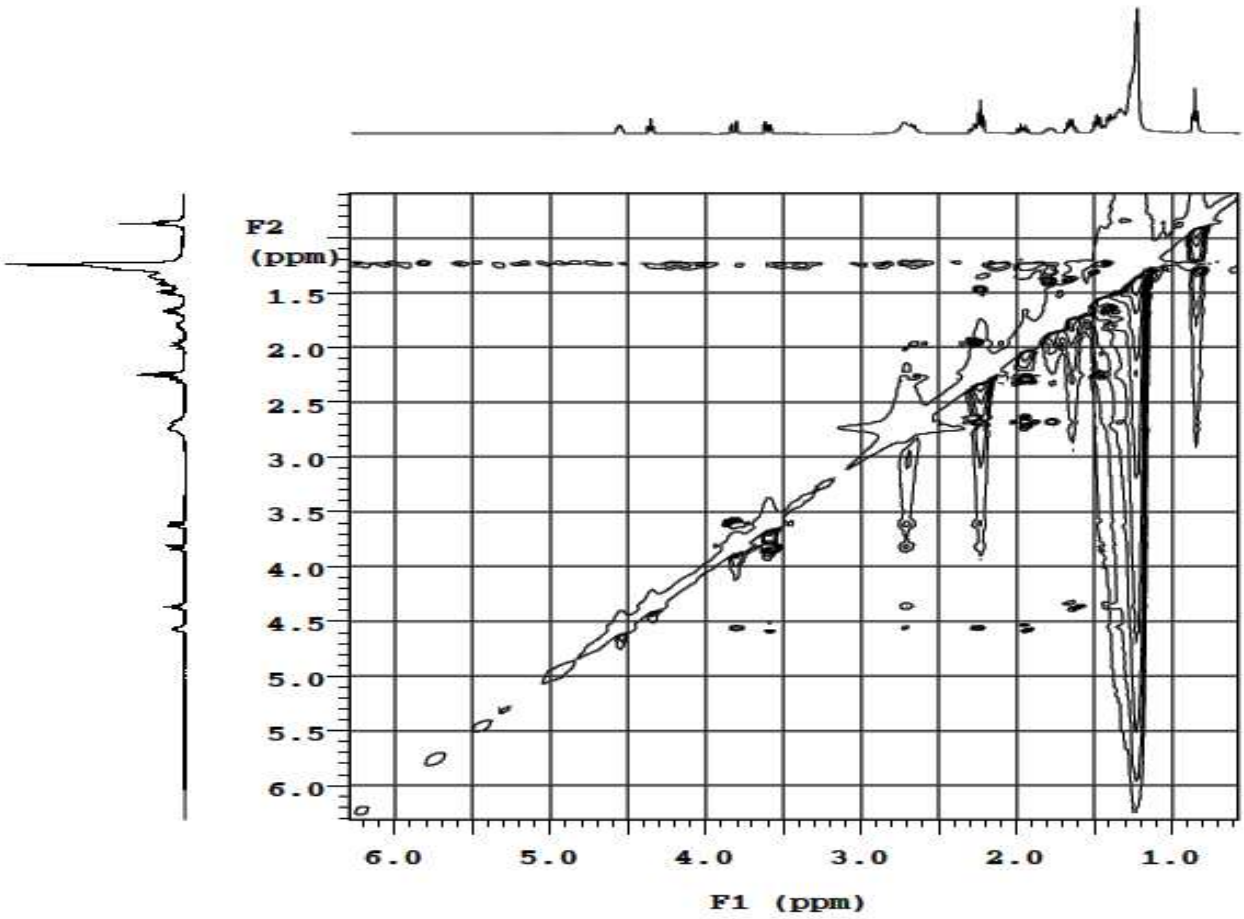
S4: EIMS spectrum for debilisone A (**1**)



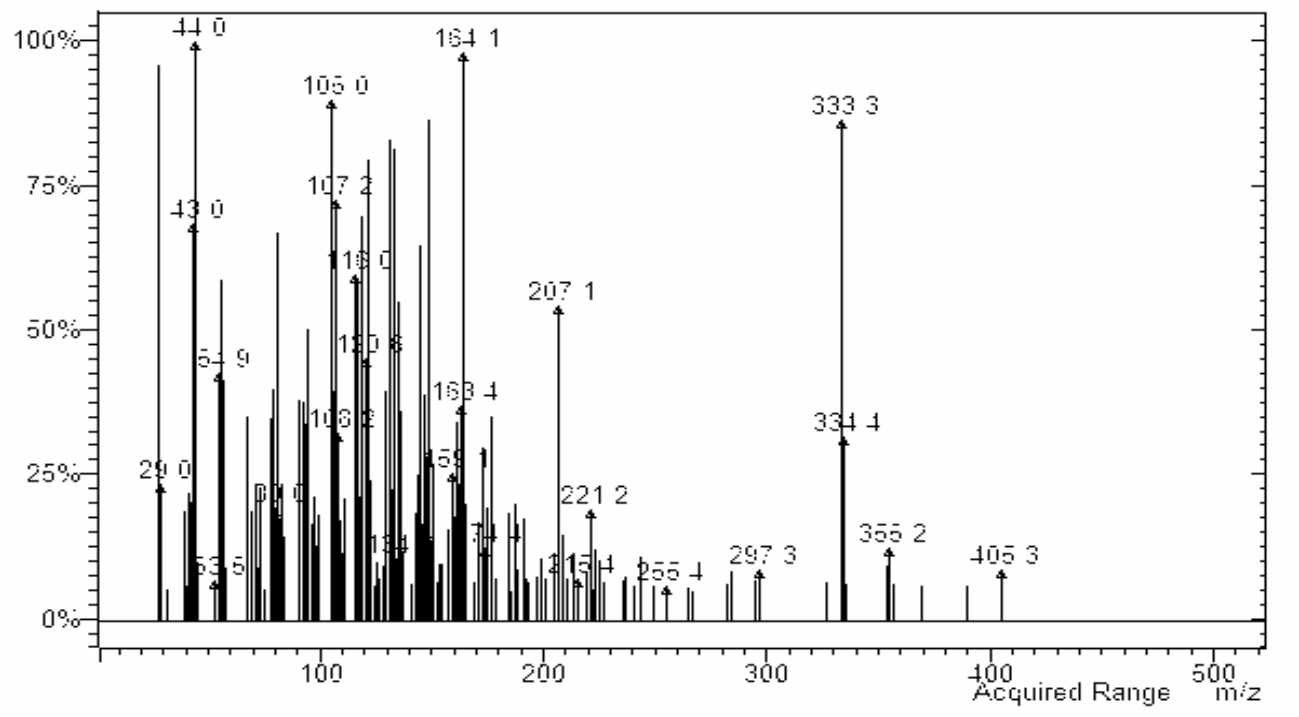
S5: ^{1}H NMR spectrum for debilisone B (**2**) recorded in $CDCl_3$ at 400 MHz



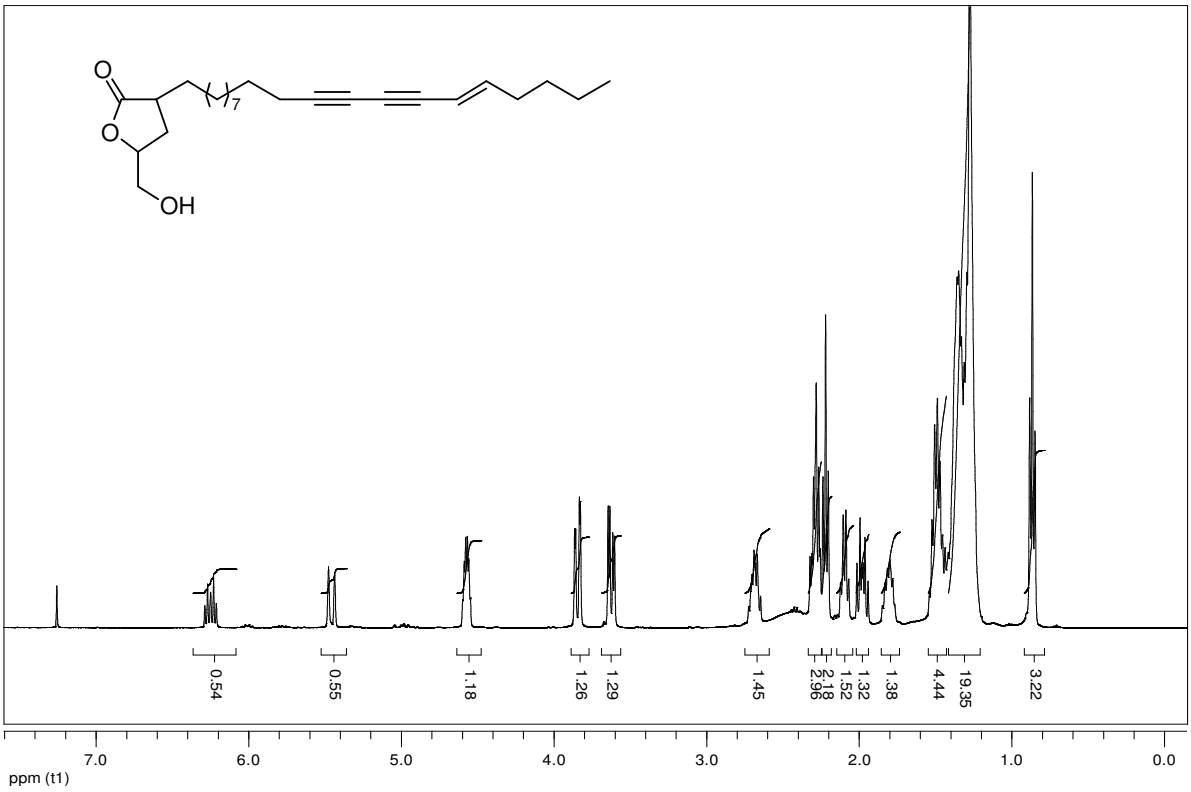
S6: ^{13}C NMR spectrum for debilisone B (**2**) recorded in $CDCl_3$ at 100 MHz



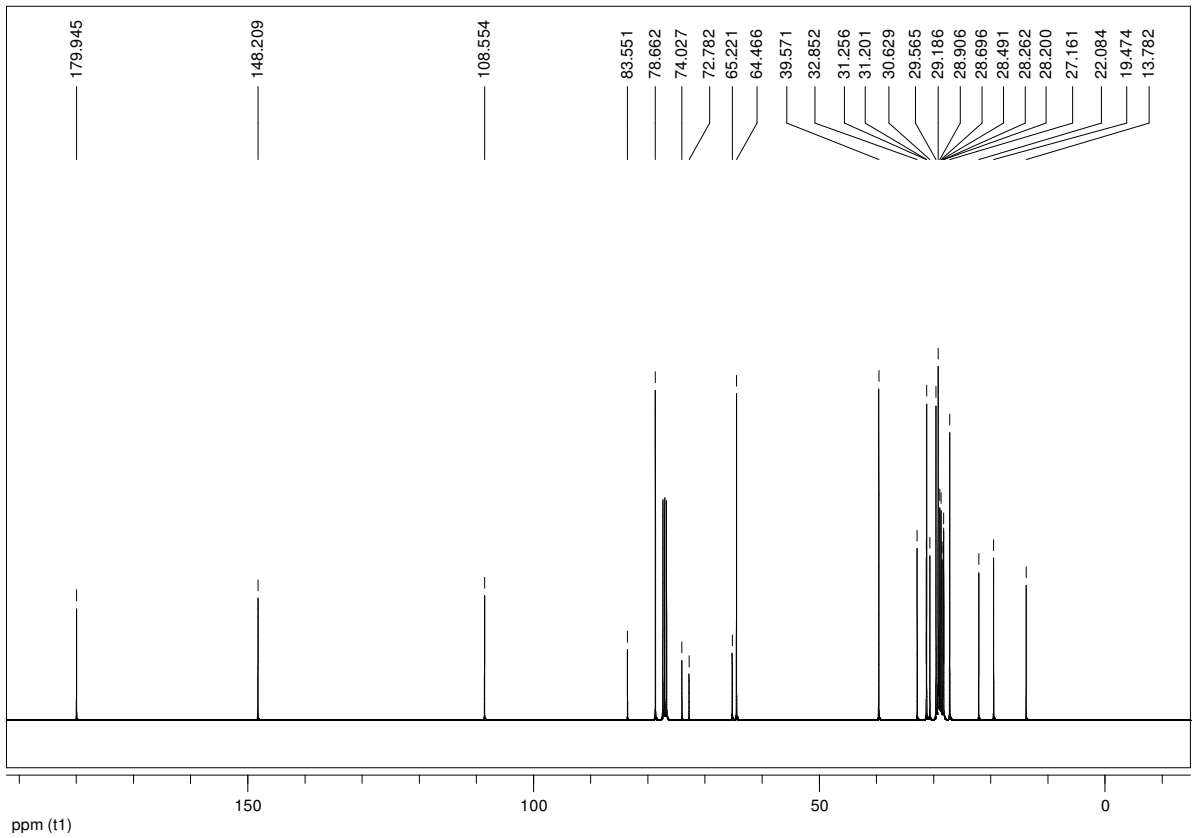
S7: NOESY spectrum for debilisone B (**2**)



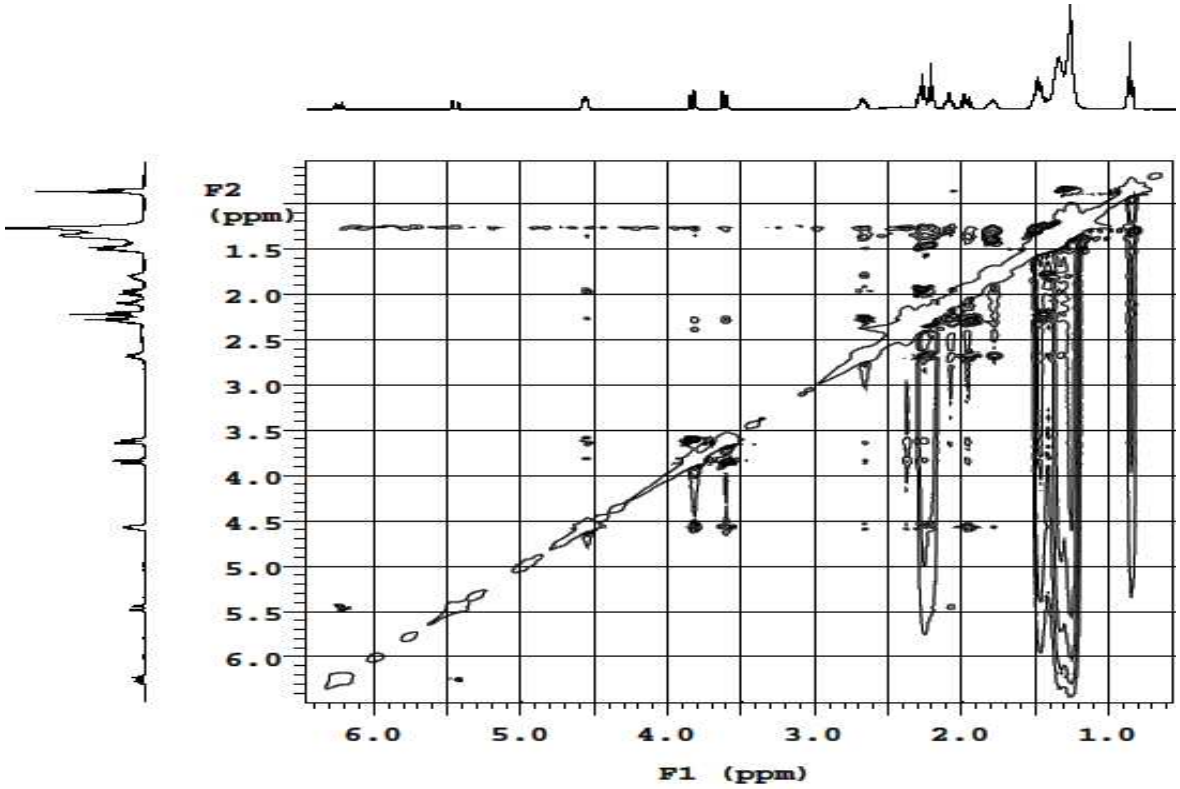
S8: EIMS spectrum for debilisone B (**2**)



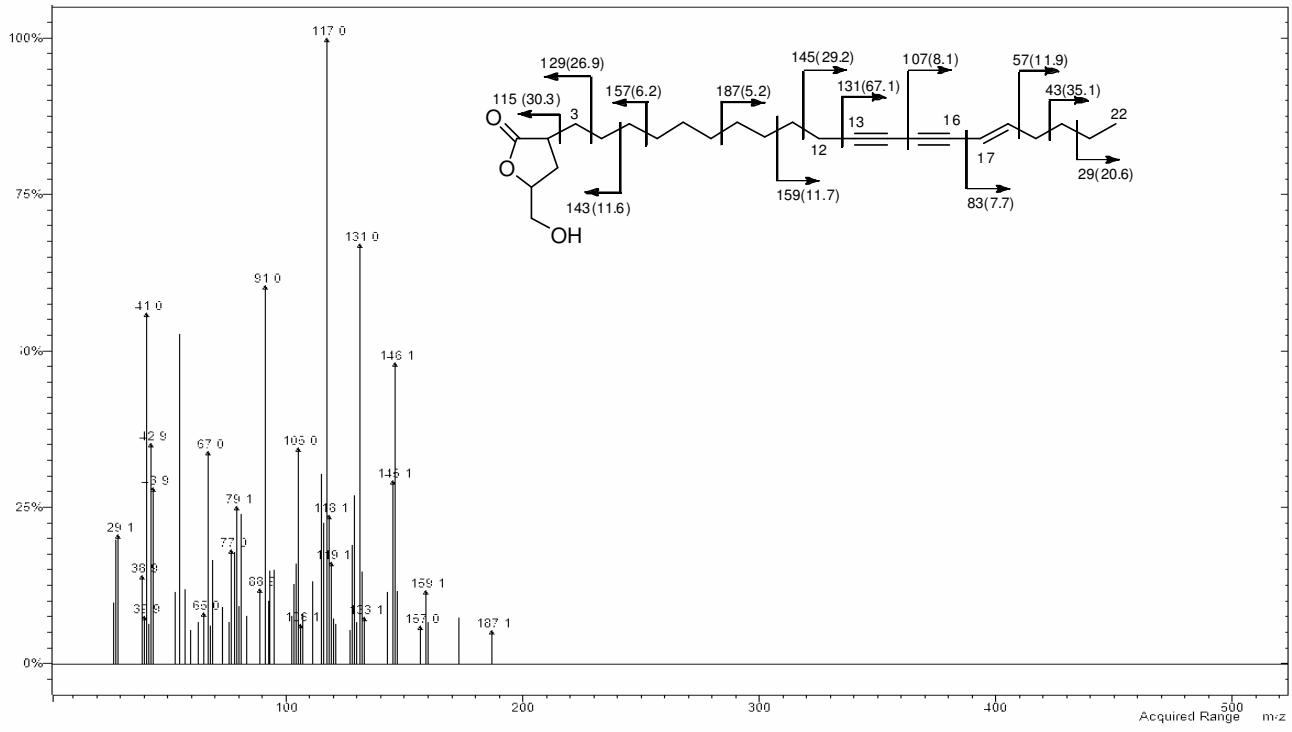
S9: ^{1}H NMR spectrum for debilisone C (**3**) recorded in $CDCl_3$ at 400 MHz



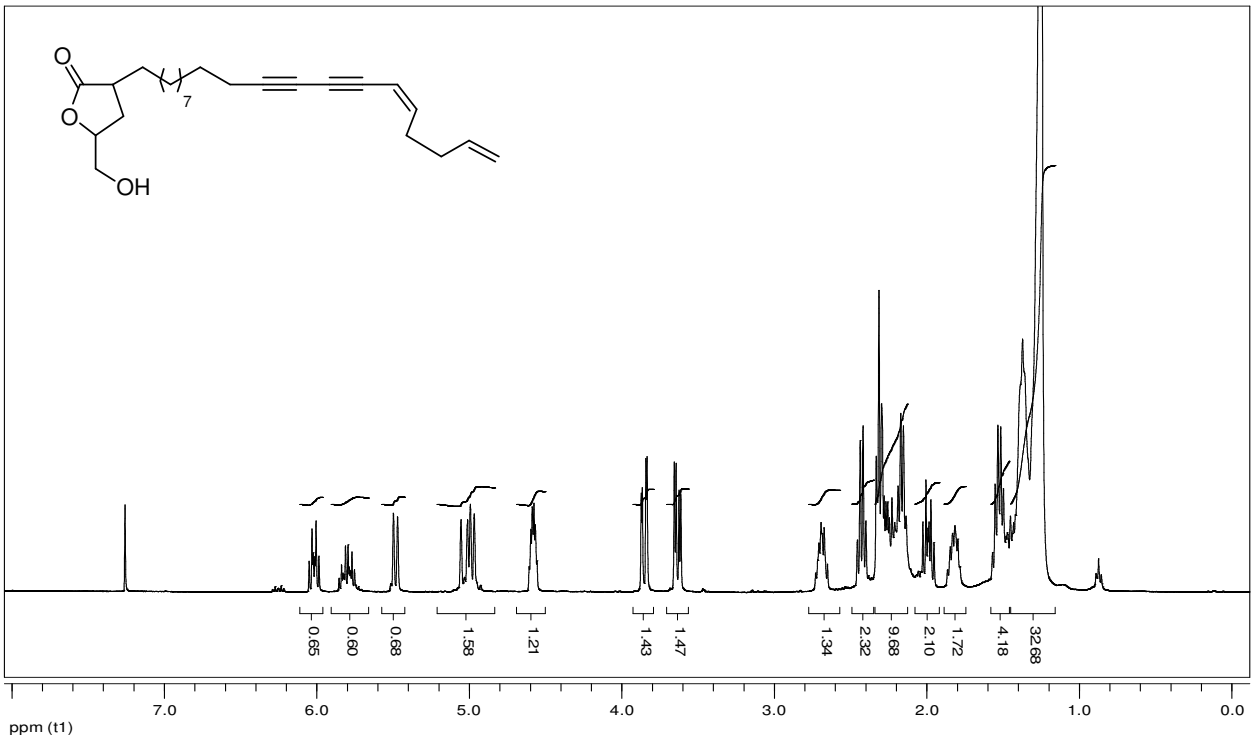
S10: ^{13}C NMR spectrum for debilisone C (**3**) recorded in $CDCl_3$ at 100 MHz



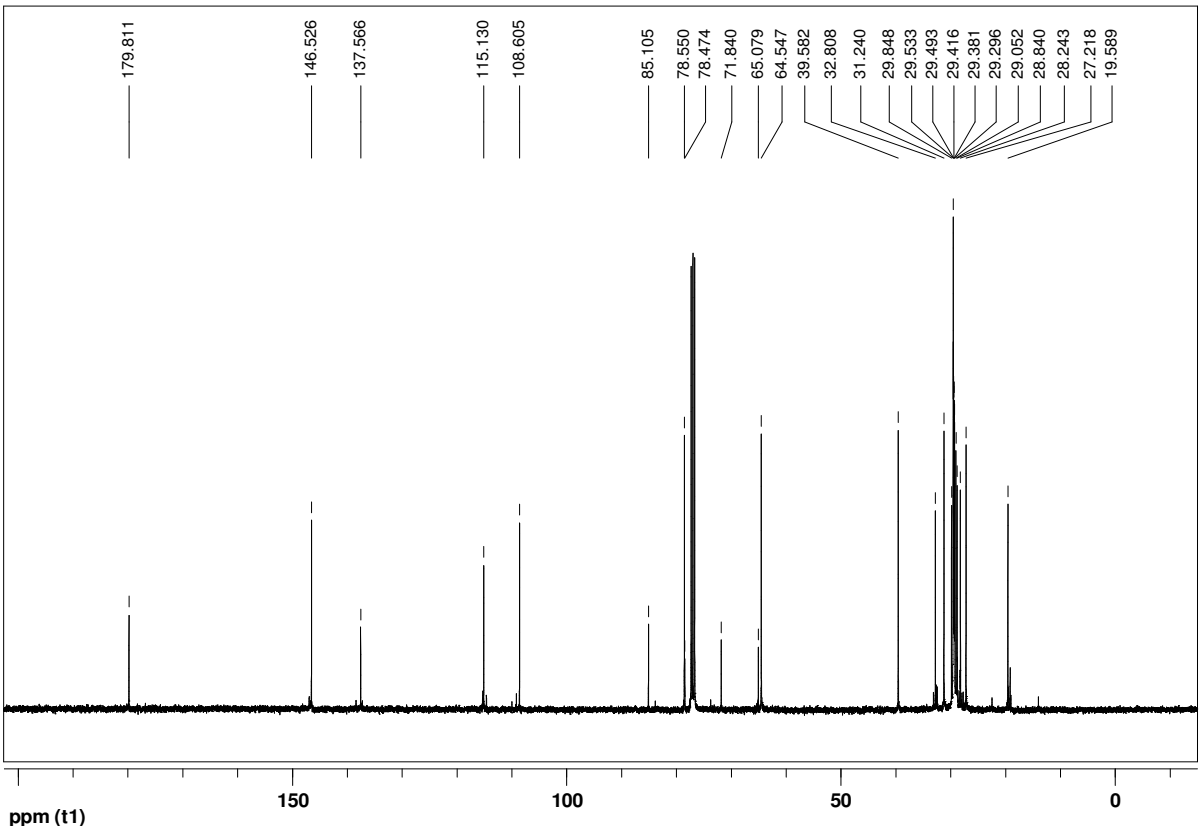
S11: NOESY spectrum for debilisone C (**3**)



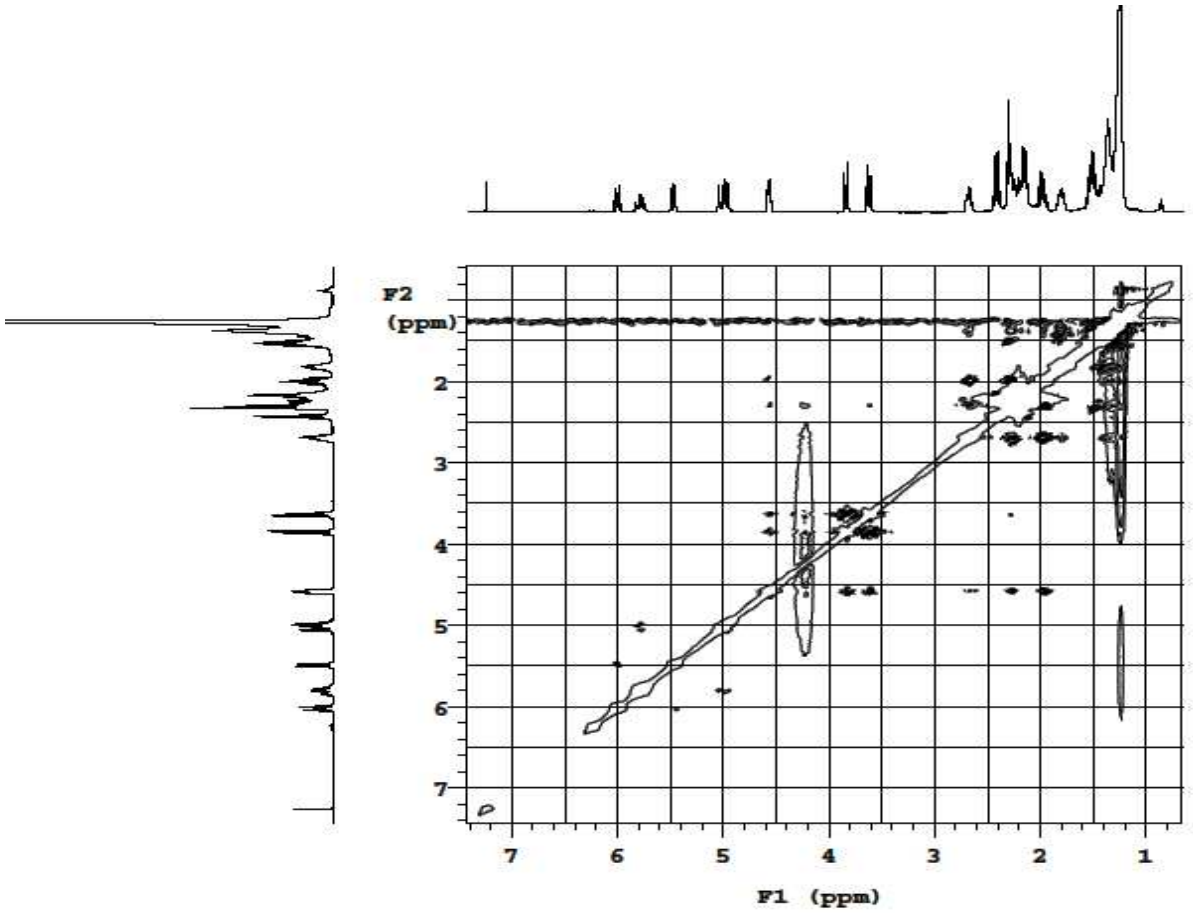
S12: EIMS spectrum for debilisone C (**3**)



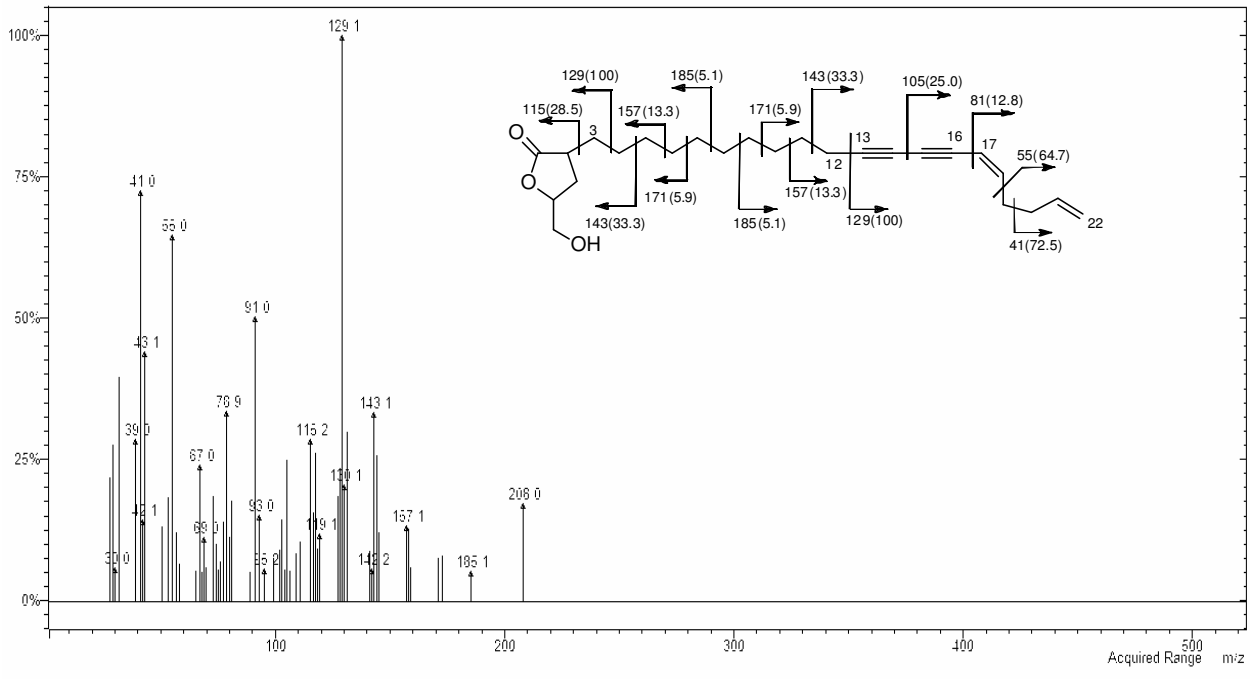
S13: ^{1}H NMR spectrum for debilisone D (**4**) recorded in $CDCl_3$ at 400 MHz



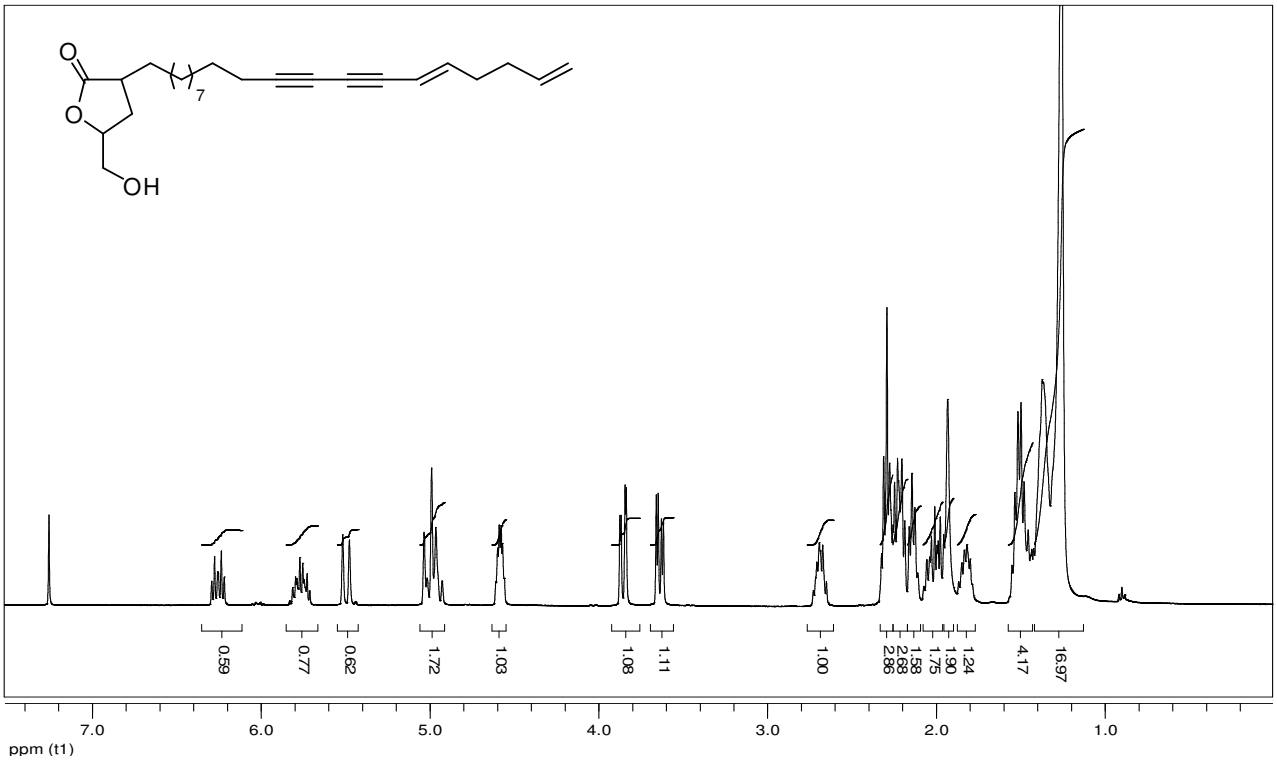
S14: ^{13}C NMR spectrum for debilisone D (**4**) recorded in $CDCl_3$ at 100 MHz



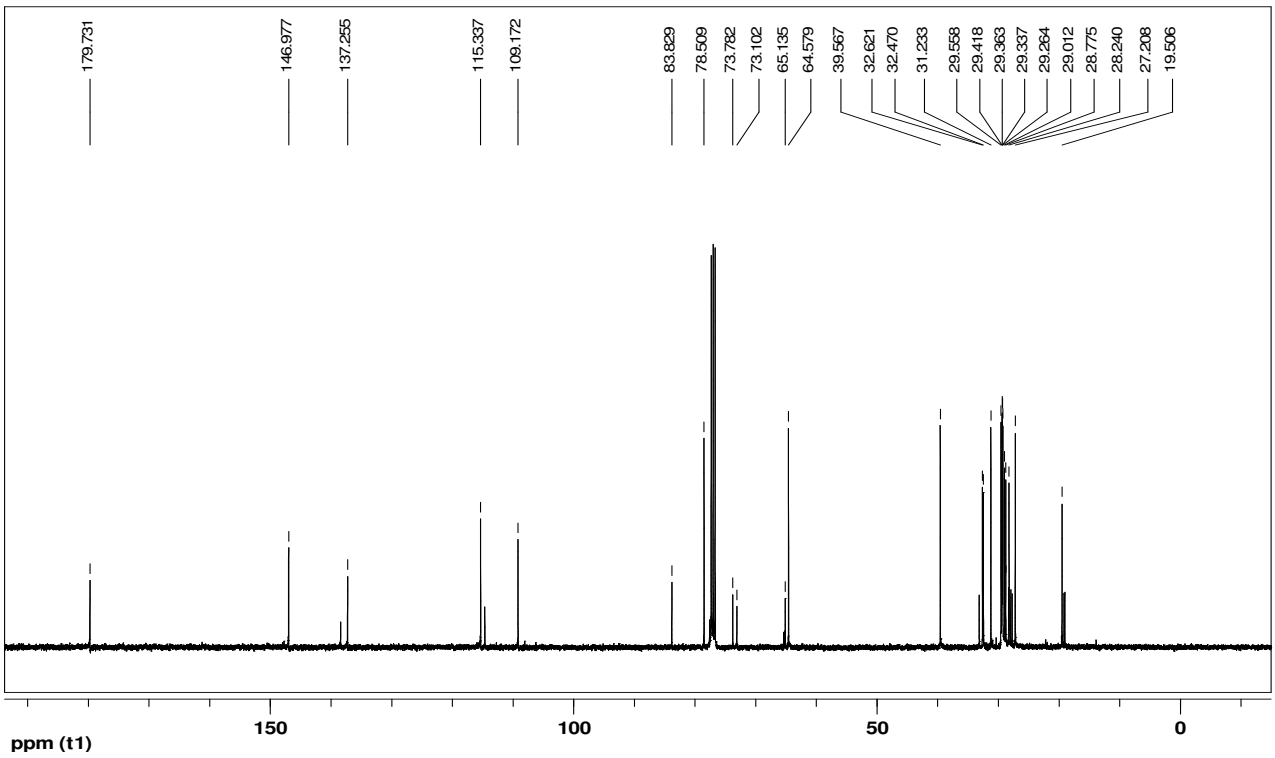
S15: NOESY spectrum for debilisone D (**4**)



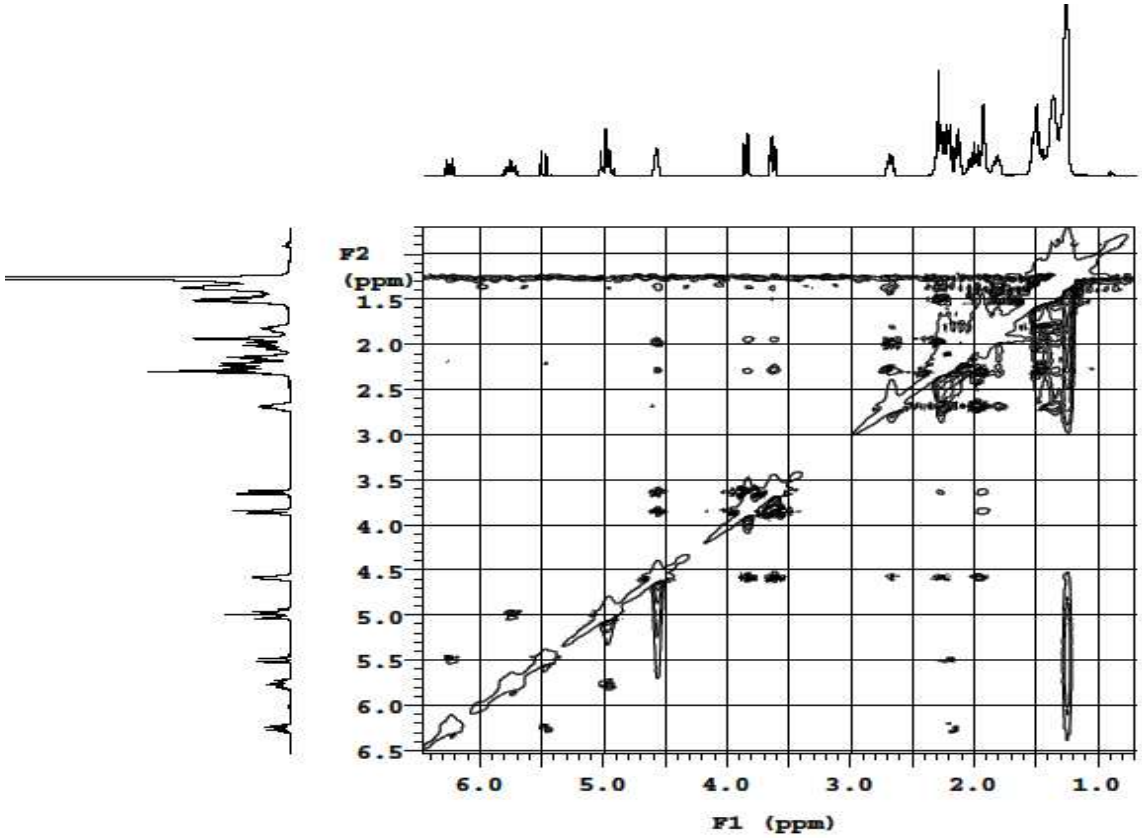
S16: EIMS spectrum for debilisone D (**4**)



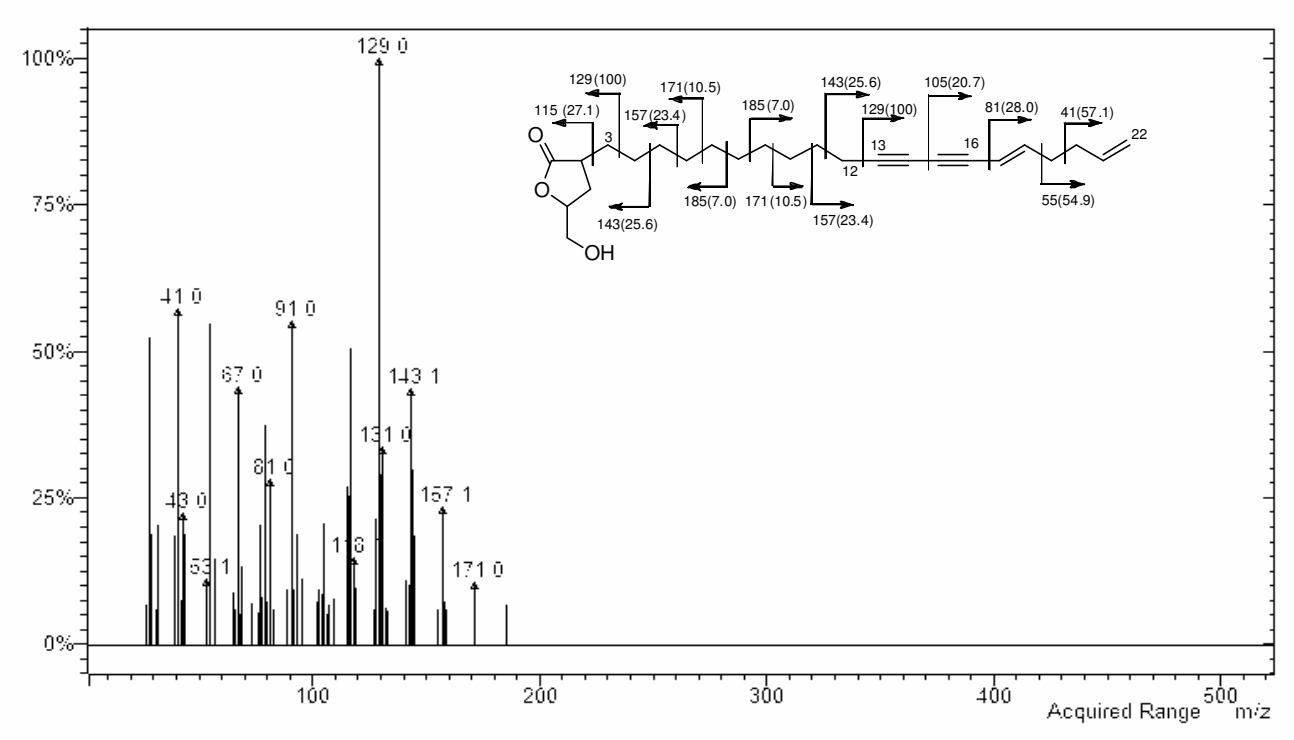
S17: ^{1}H NMR spectrum for debilisone E (**5**) recorded in $CDCl_3$ at 400 MHz



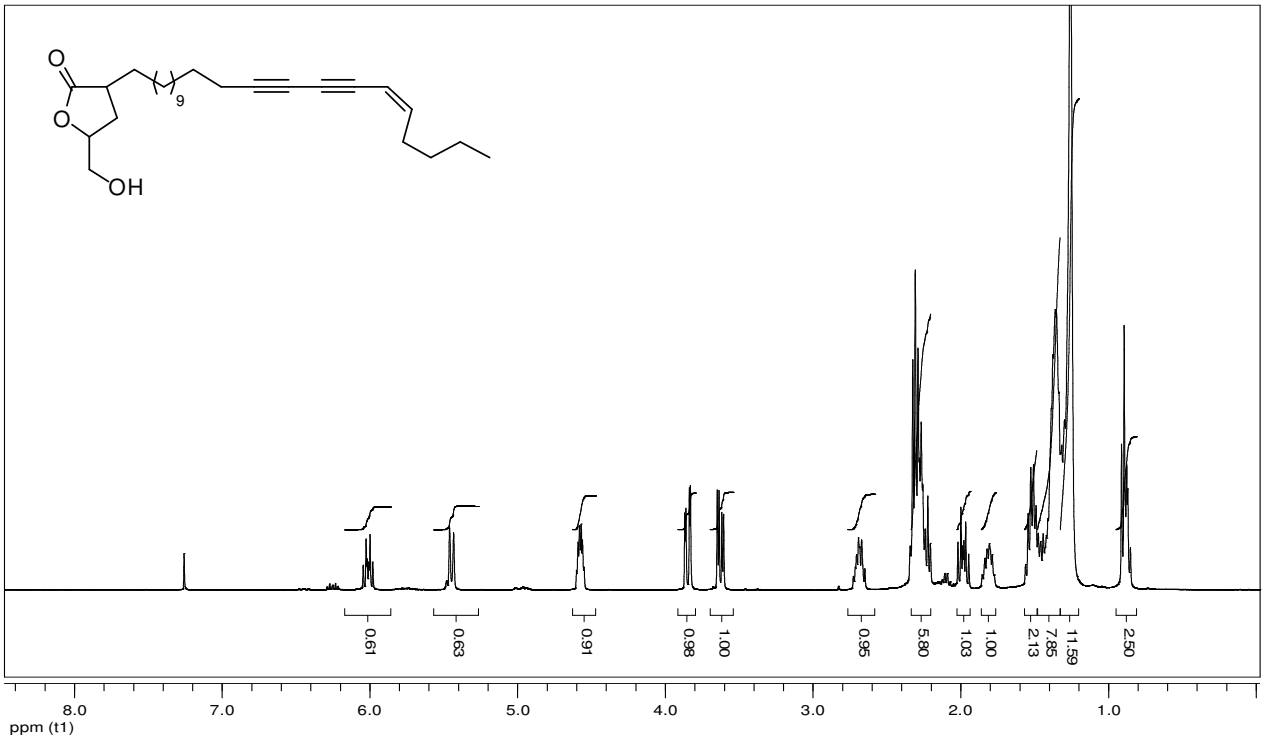
S18: ^{13}C NMR spectrum for debilisone E (**5**) recorded in $CDCl_3$ at 100 MHz



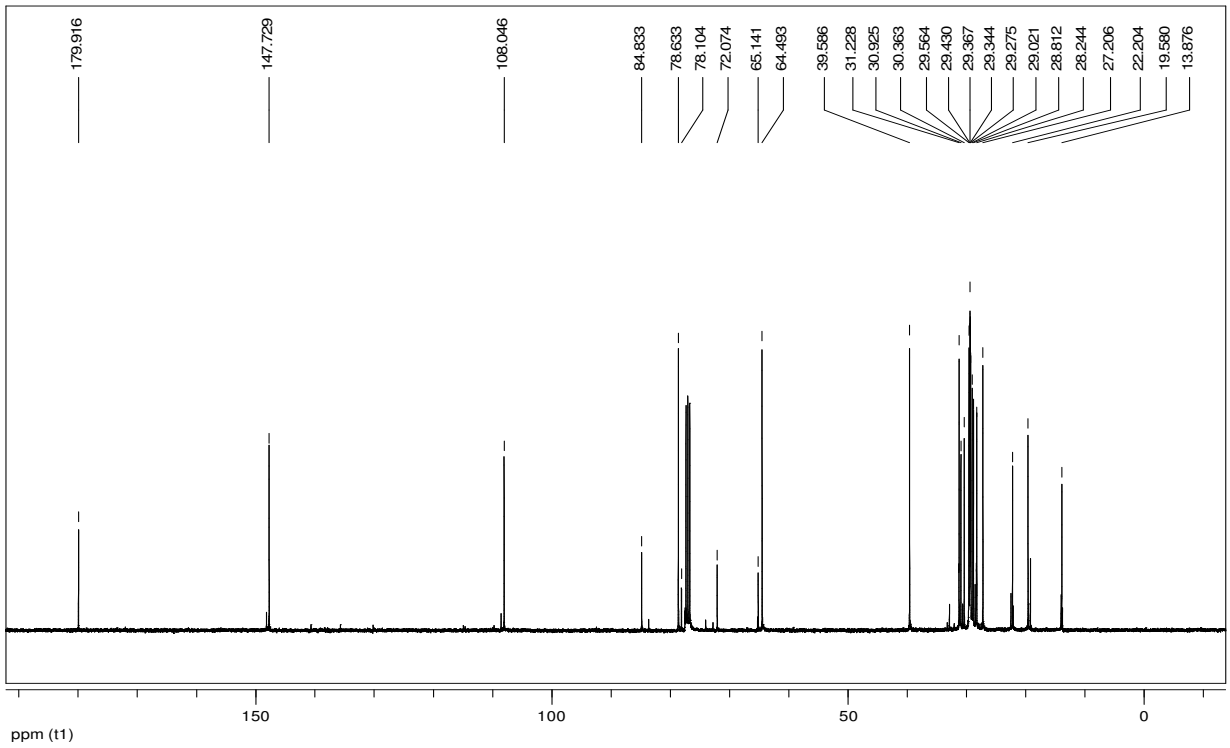
S19: NOESY spectrum for debilisone E (**5**)



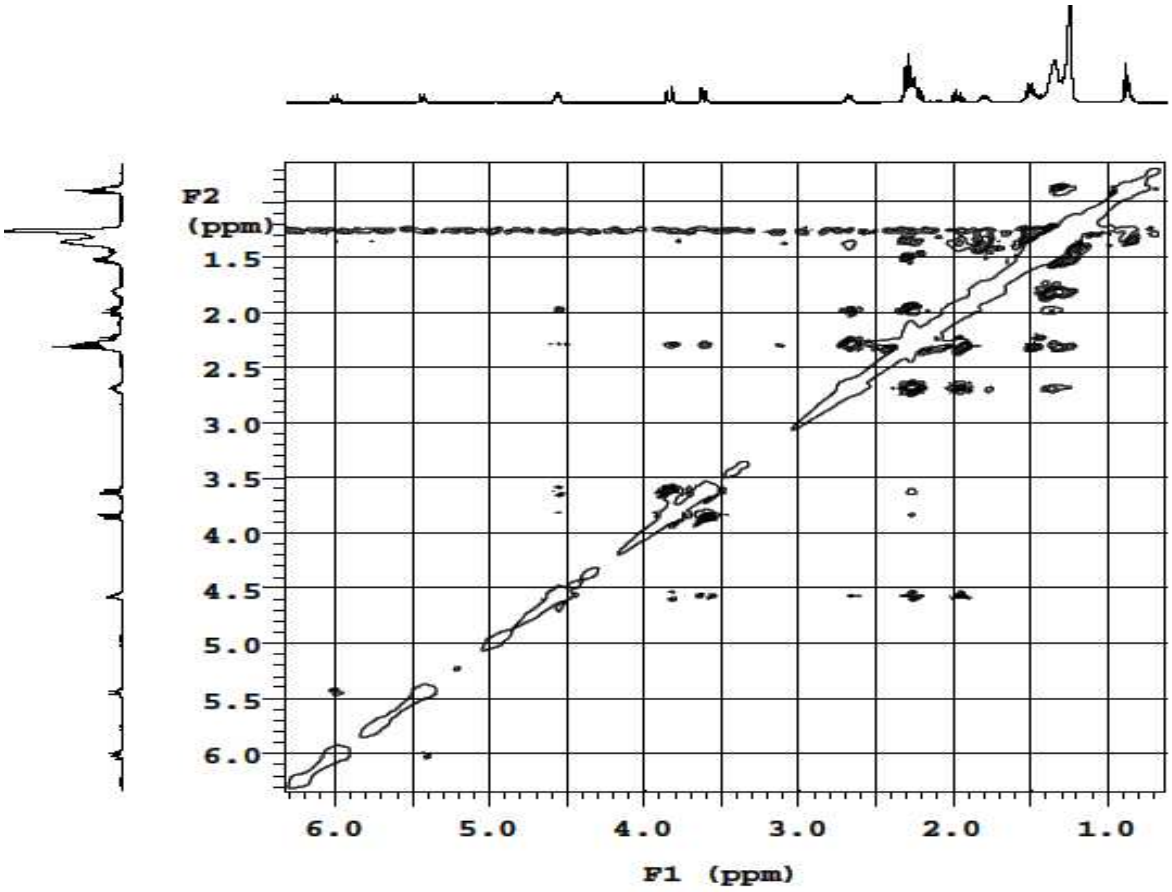
S20: EIMS spectrum for debilisone E (**5**)



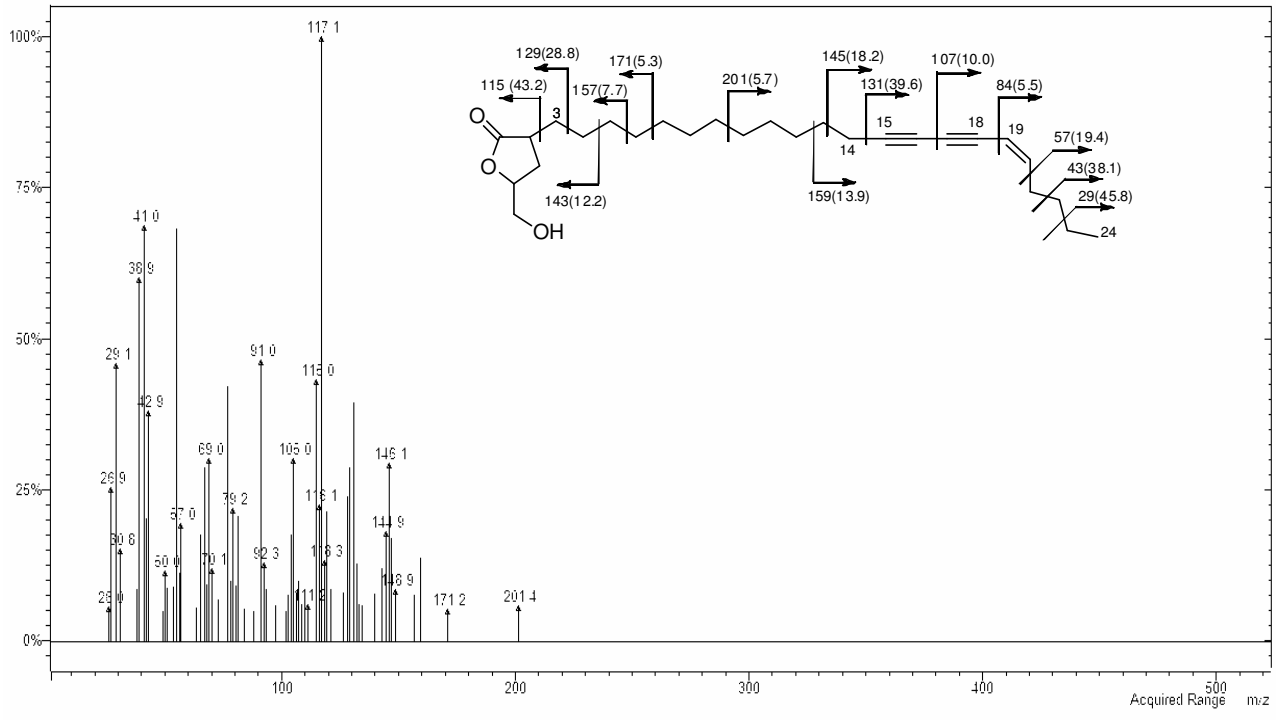
S21: ^{1}H NMR spectrum for debilisone F (**6**) recorded in $CDCl_3$ at 400 MHz



S22: ^{13}C NMR spectrum for debilisone F (**6**) recorded in $CDCl_3$ at 100 MHz



S23: NOESY spectrum for debilisone F (**6**)



S24: EIMS spectrum for debilisone F (**6**)

^{1}H NMR ($CDCl_3$, 400 MHz) of 2a: δ 5.543 (1H, t, *J* = 6.8 Hz, H-17), 4.716 (1H, m, H-24), 4.496 (1H, dd, *J* = 3.2, 12.0 Hz, H-25a), 4.341 (1H, dd, *J* = 4.8, 12.0, H-25b), 2.485 (1H, m, H-2), 2.276 (2H, t, *J* = 7.2, H-12), 2.159/2.042 (2H, m/m H-23), 1.814 (2H, overlap, H-18), 1.814/1.423 (2H, overlap/m, H-3), 1.235-1.558 (22H, overlap, H-4-11, H-19-21), and 0.878 (3H, t, *J* = 6.8 Hz, H-22) [the α-Methoxy-α-(trifluoromethyl)phenyl acetate portion exhibited 7.520 (4H, m), 7.412 (6H, m), 3.545 (3H, OMe)] and 3.511 (3H, OMe)].

^{1}H NMR ($CDCl_3$, 400 MHz) of 2b: δ 5.577 (1H, t, *J* = 6.8 Hz, H-17), 4.718 (1H, m, H-24), 4.517 (1H, dd, *J* = 2.8, 12.4 Hz, H-25a), 4.294 (1H, dd, *J* = 4.0, 12.4 Hz, H-25b), 2.364 (1H, m, H-2), 2.279 (2H, t, *J* = 7 Hz, H-12), 2.034 (2H, m, H-23), 1.760/1.368 (2H, overlap/m, H-3), 1.760 (2H, overlap, H-18), 1.232-1.550 (22H, overlap, H-4-11, 19-21), and 0.839 (3H, t, *J* = 6.8 Hz, H-22) [the α-Methoxy-α-(trifluoromethyl)phenyl acetate portion exhibited 7.521 (4H, m), 7.401 (6H, m), 3.586 (3H, s, OMe)] and 3.531 (3H, s, OMe)].