APPENDIX A

Spectroscopic Data of Isolated Compounds from *D. yunnanense*

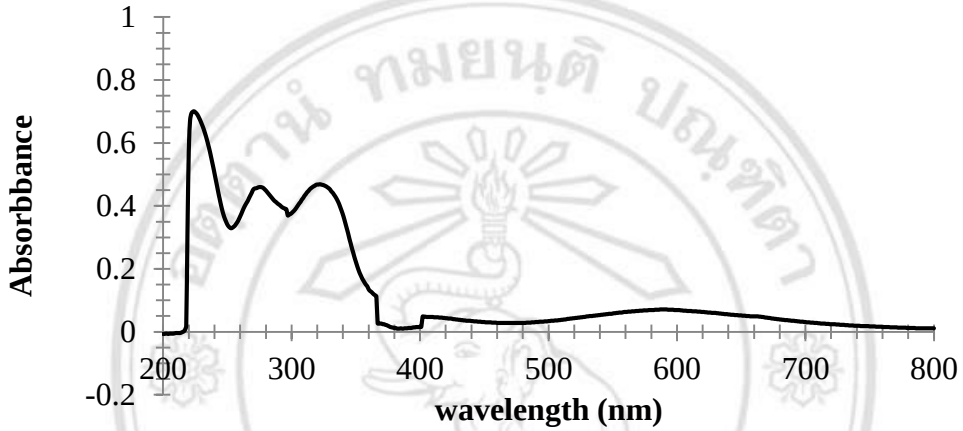


Figure A1 UV Spectrum of Obtusipetadione (**DY1**)

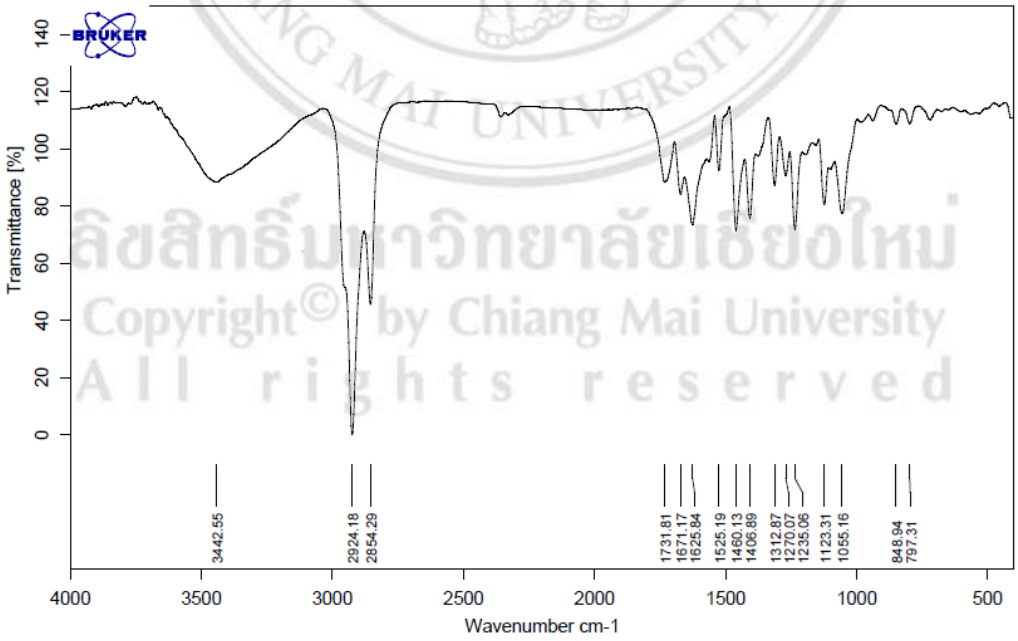


Figure A2 IR Spectrum of Obtusipetadione (**DY1**)

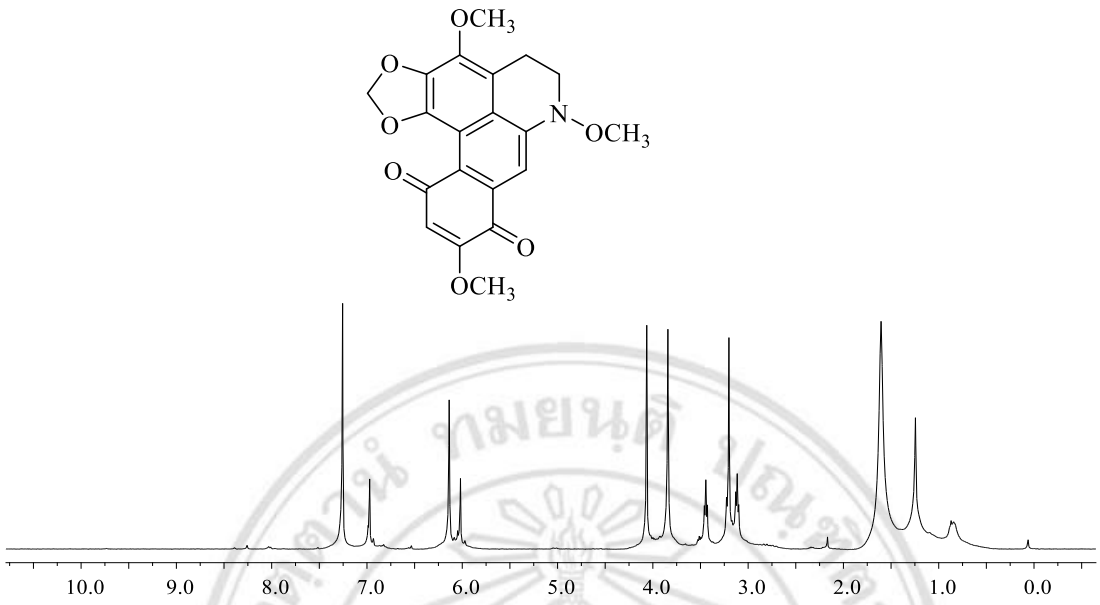


Figure A3 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of Obtusipetadione (**DY1**)

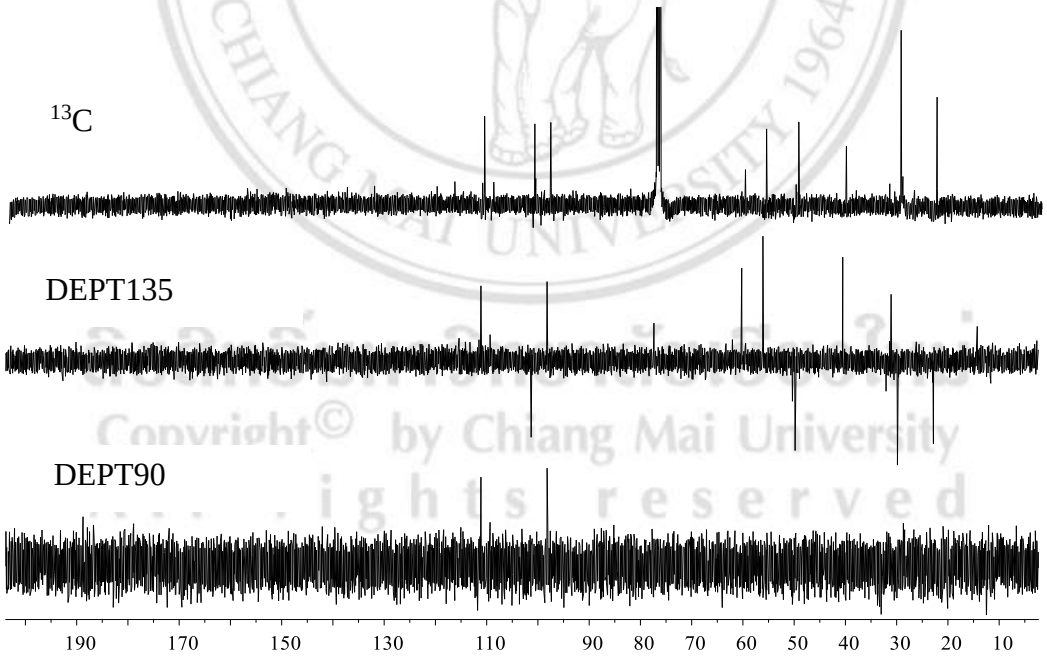


Figure A4 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of Obtusipetadione (**DY1**)

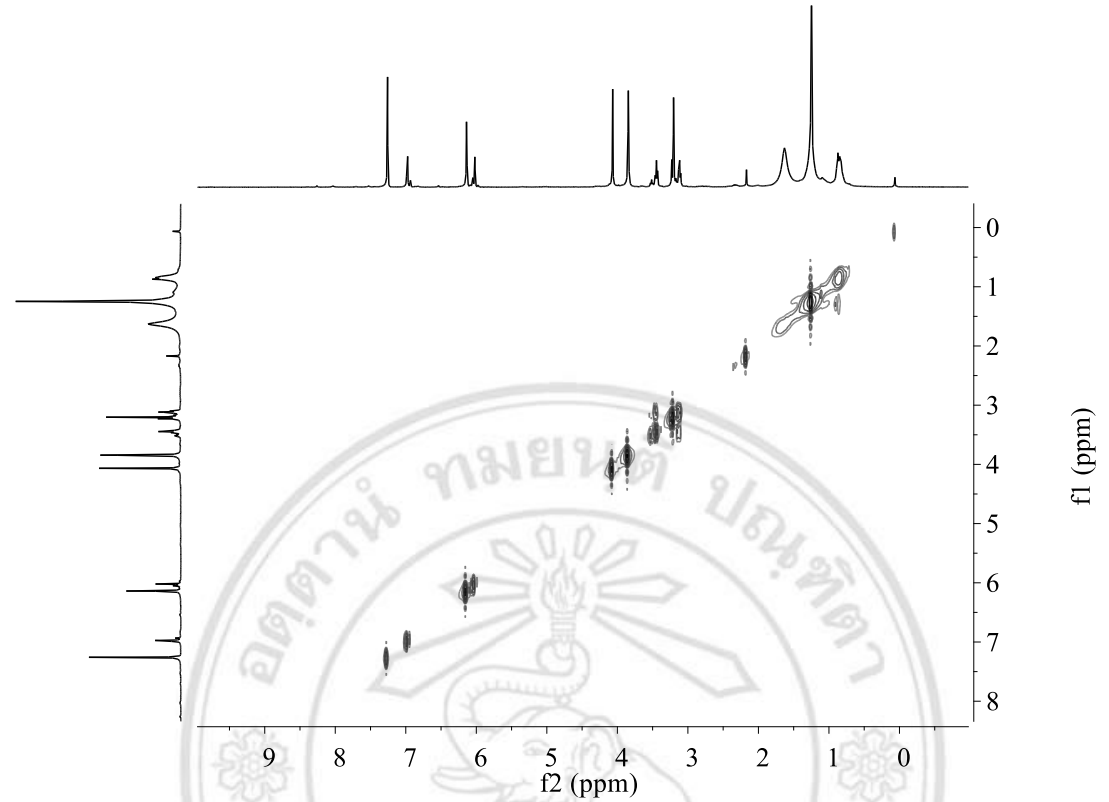


Figure A5 COSY Spectrum of Obtusipetadione (**DY1**) in $CDCl_3$

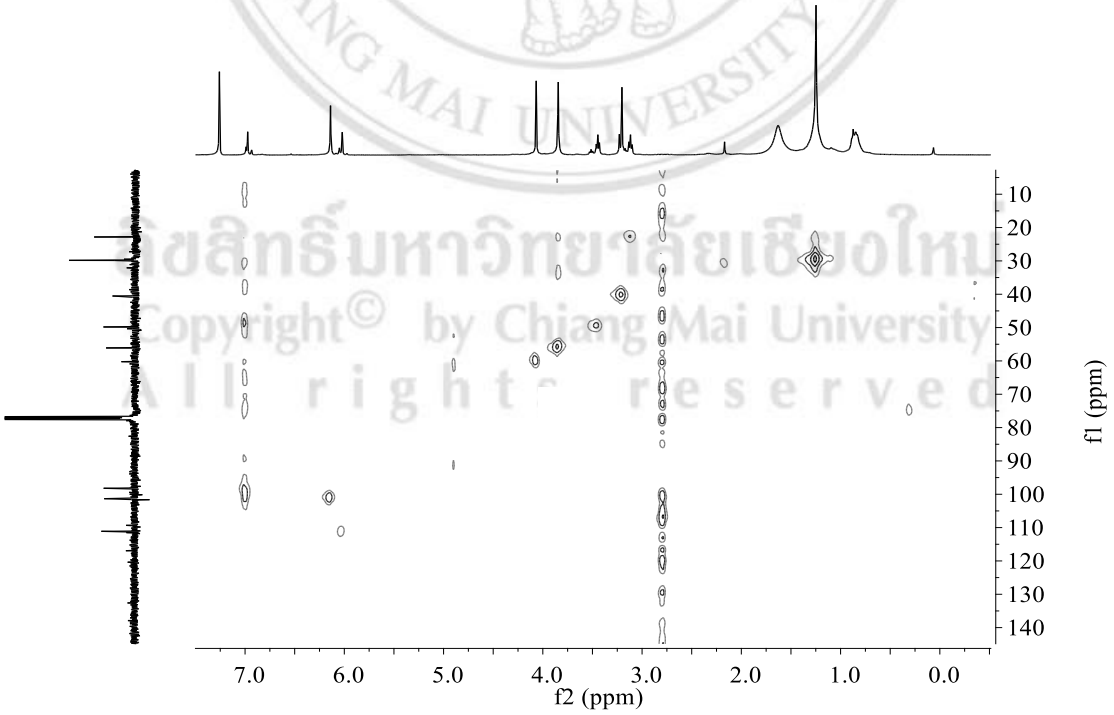


Figure A6 HMQC Spectrum of Obtusipetadione (**DY1**) in $CDCl_3$

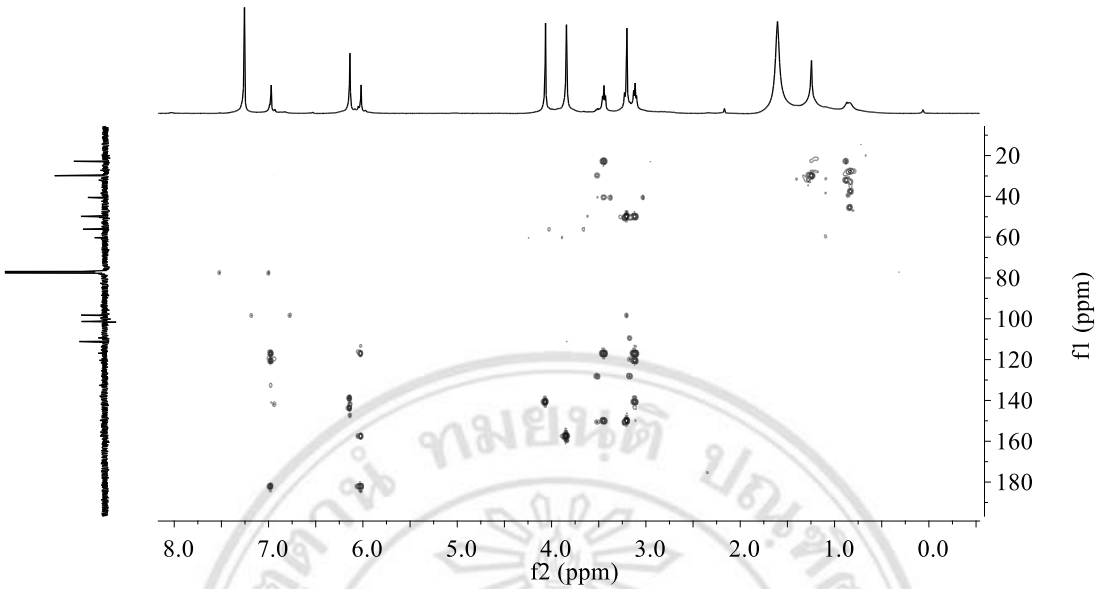


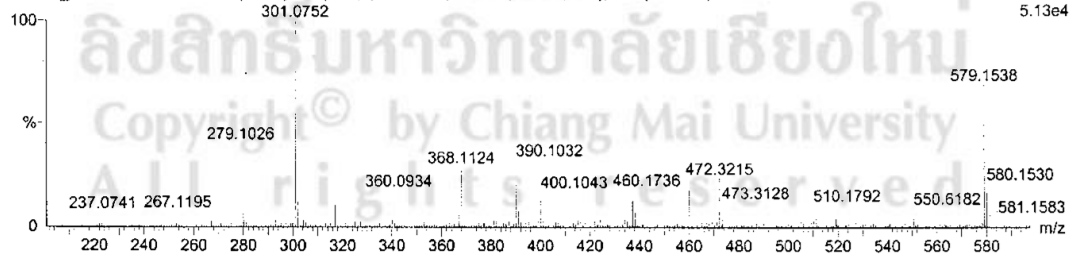
Figure A7 HMBC Spectrum of Obtusipetadione (**DY1**) in $CDCl_3$

Elemental Composition Report **Page 1**

Single Mass Analysis
Tolerance = 5000.0 PPM / DBE: min = -1.5, max = 50.0
Isotope cluster parameters: Separation = 1.0 Abundance = 1.0%

Monoisotopic Mass, Odd and Even Electron Ions
1 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

DOT121L
140707_FON009DOT121L 667 (7.011) AM (Cen,4, 80.00, Ar,10900.0,472.32,0.70); Cm (663:670)
07-Jul-2014 11:45:25
TOF MS ES+
5.13e4



Minimum:				-1.5		
Maximum:		5000.0	5000.0	50.0		
Mass	Calc. Mass	mDa	PPM	DBE	Score	Formula
368.1124	368.1134	-1.0	-2.8	12.5	1	C20 H18 N O6

Figure A8 HRESIMS Spectrum of Obtusipetadione (**DY1**)

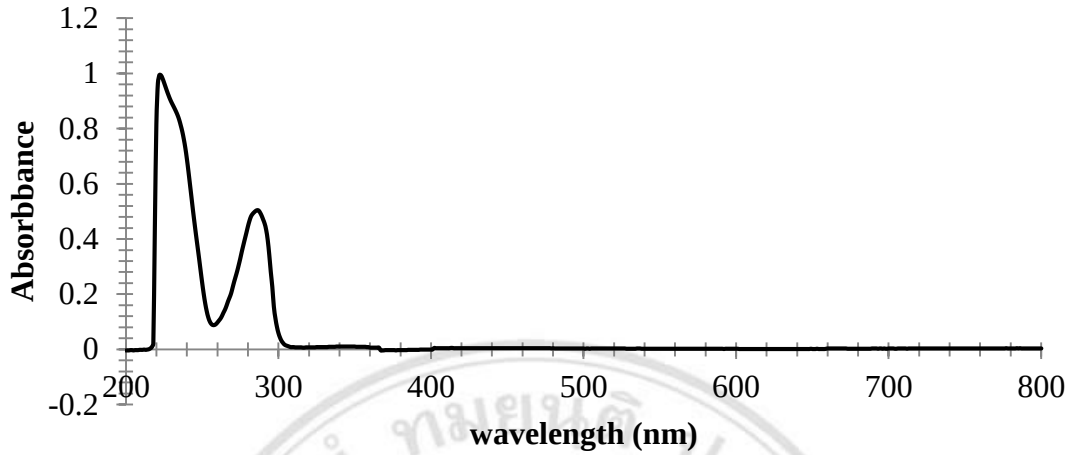


Figure A9 UV Spectrum of (–)-Sinactine (**DY2**)

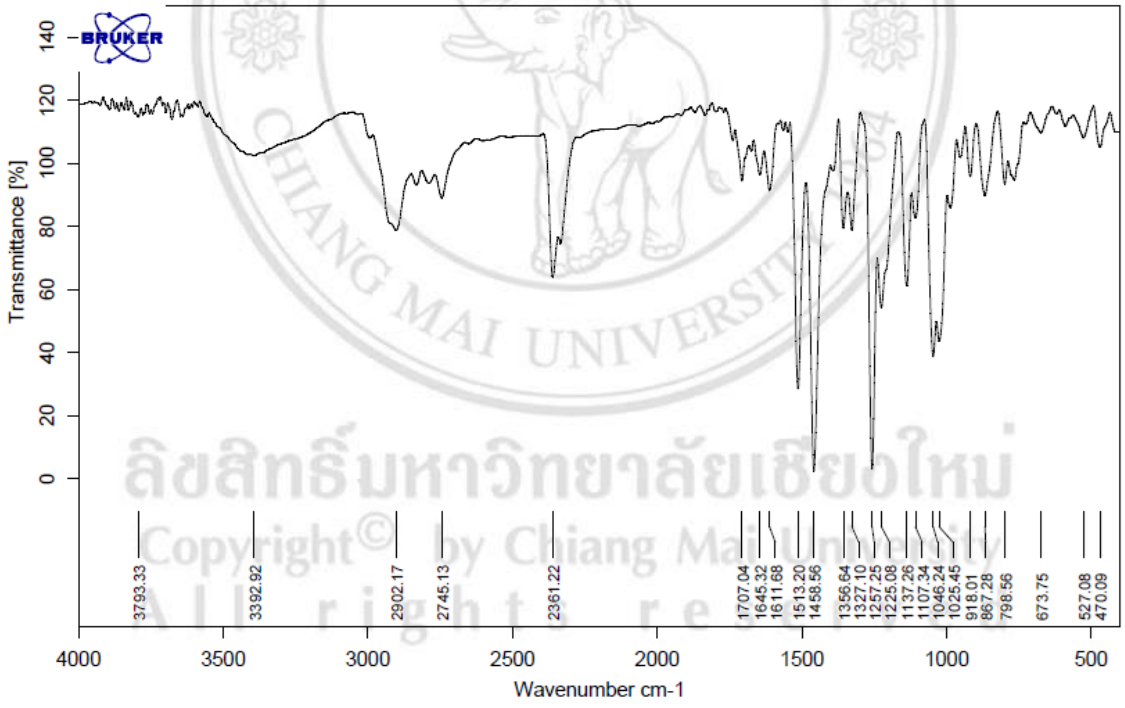


Figure A10 IR Spectrum of (–)-Sinactine (**DY2**)

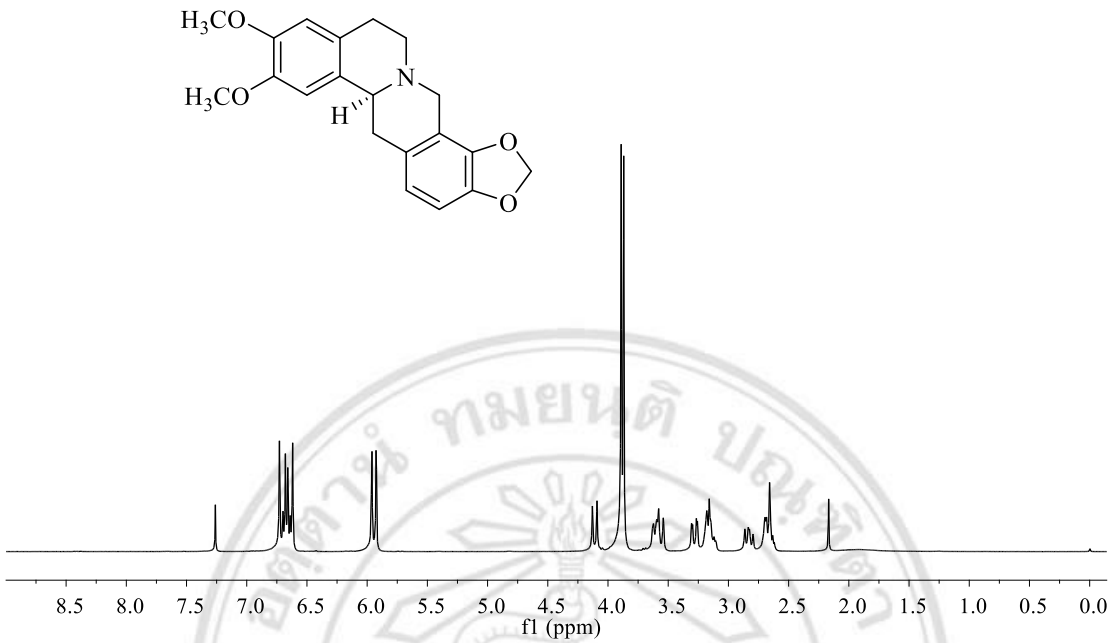


Figure A11 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of (–)-Sinactine (**DY2**)

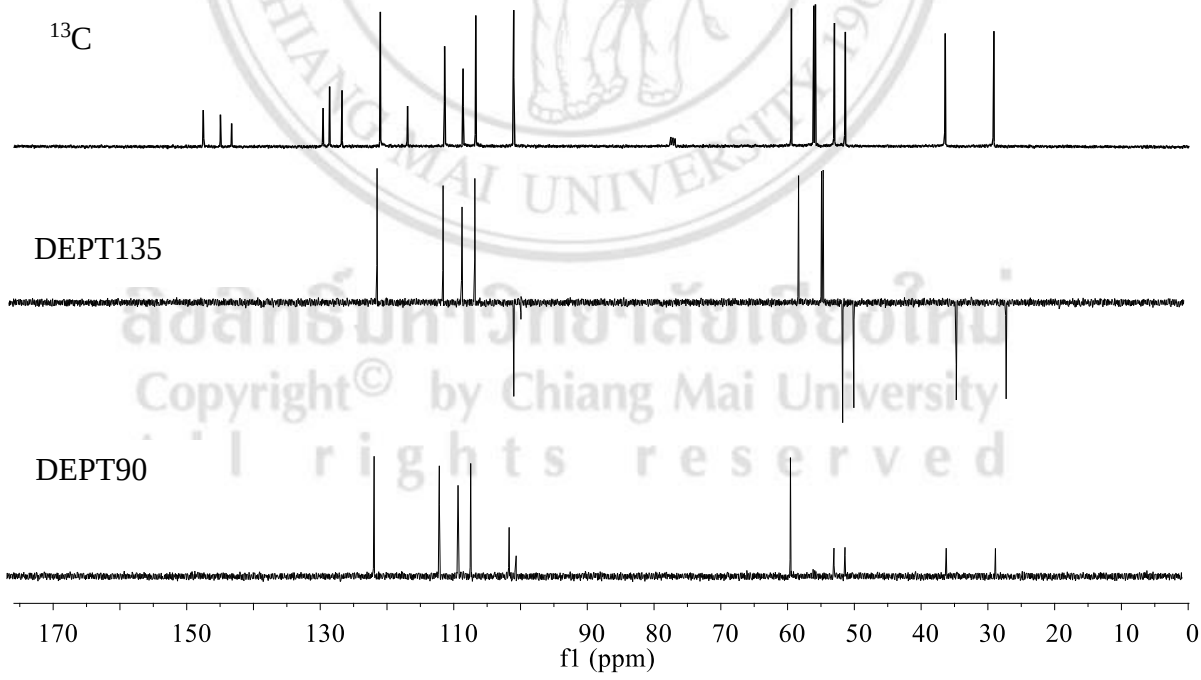


Figure A12 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of (–)-Sinactine (**DY2**)

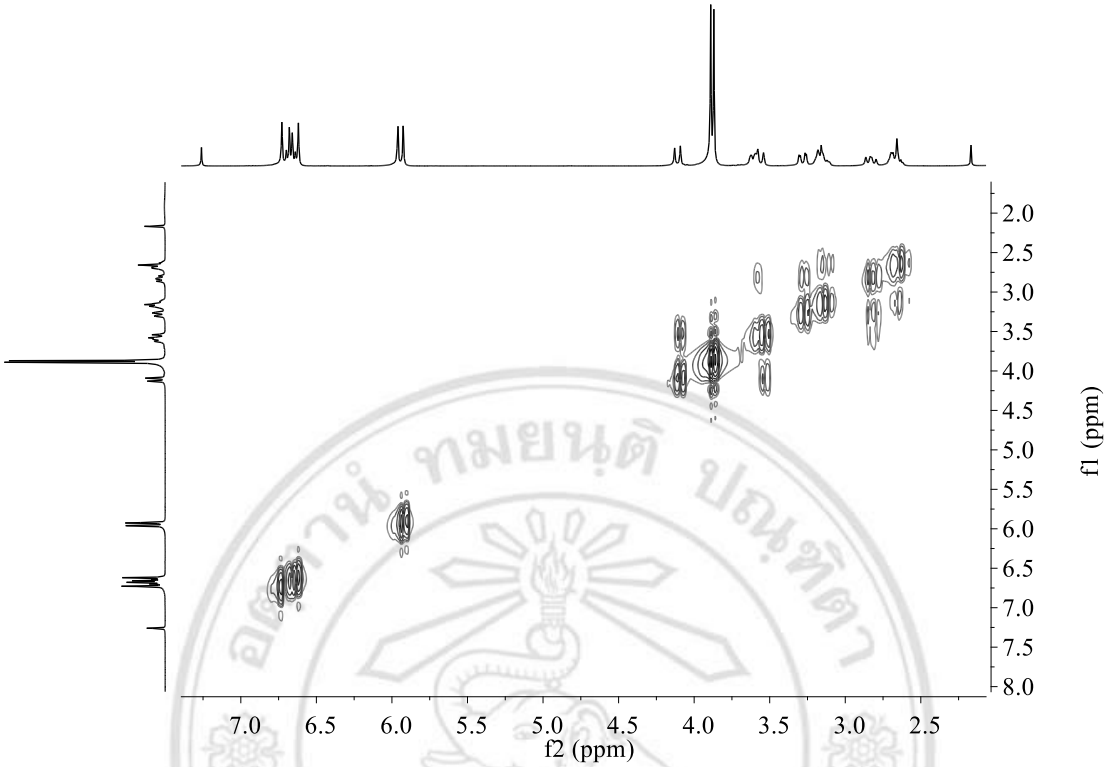


Figure A13 COSY Spectrum of (–)-Sinactine (**DY2**) in $CDCl_3$

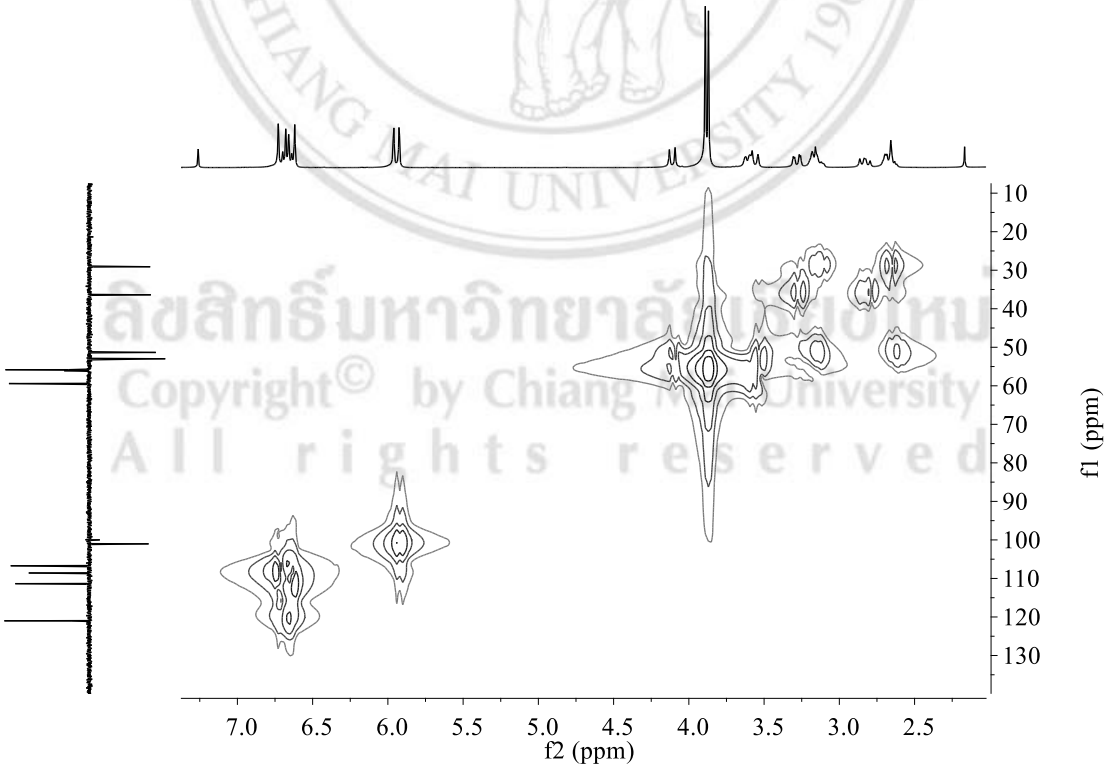


Figure A14 HMQC Spectrum of (–)-Sinactine (**DY2**) in $CDCl_3$

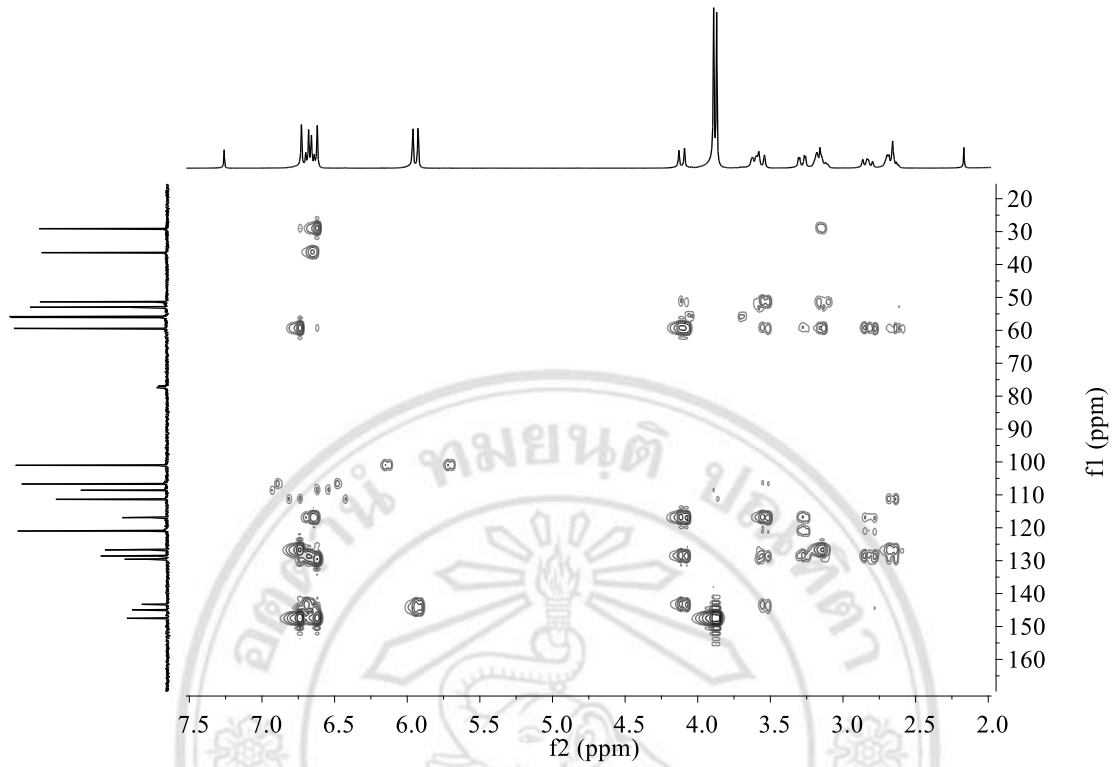


Figure A15 HMBC Spectrum of (−)-Sinactine (**DY2**) in $CDCl_3$

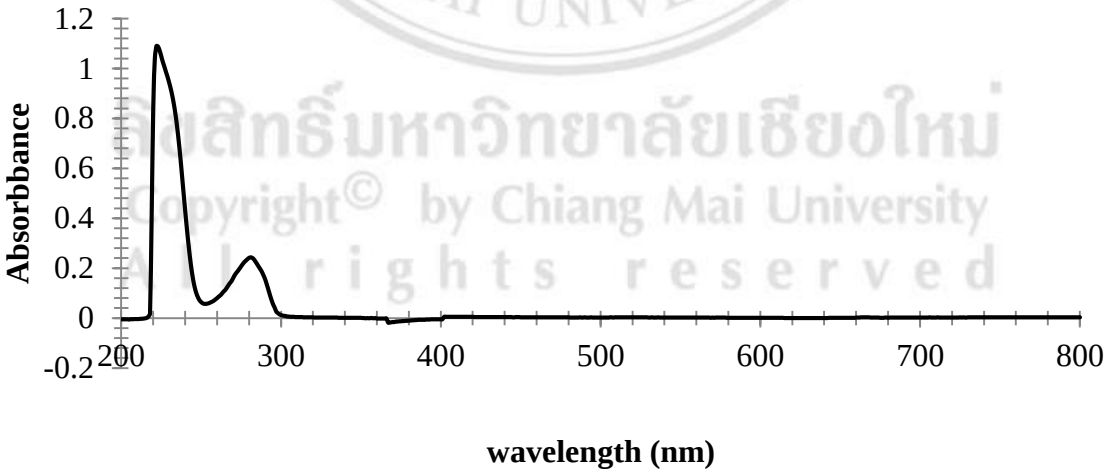


Figure A16 UV Spectrum of (−)-Epicatechin (**DY3**)

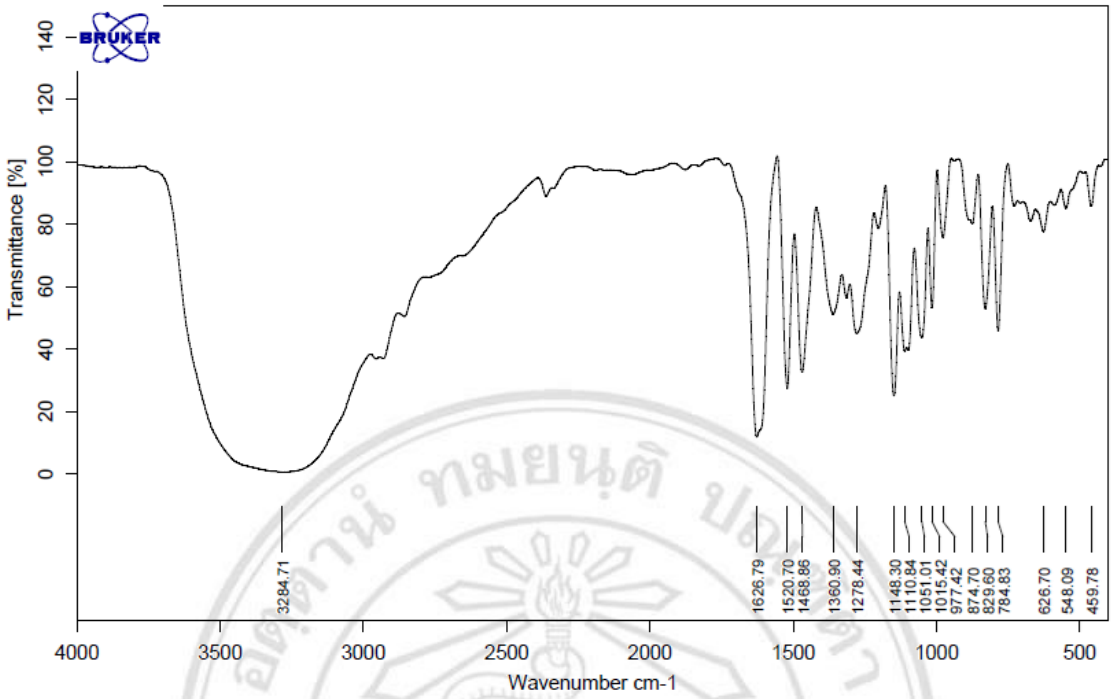


Figure A17 IR Spectrum of (–)-Epicatechin (**DY3**)

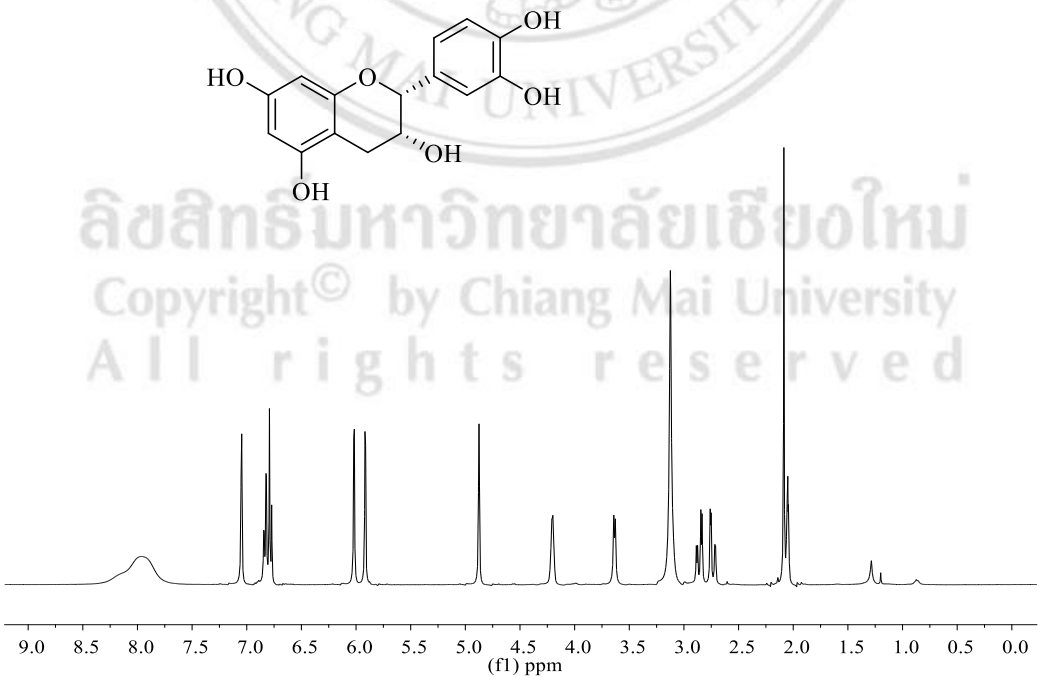


Figure A18 ^{1}H NMR Spectrum (acetone-d_6, 400 MHz) of (–)-Epicatechin (**DY3**)

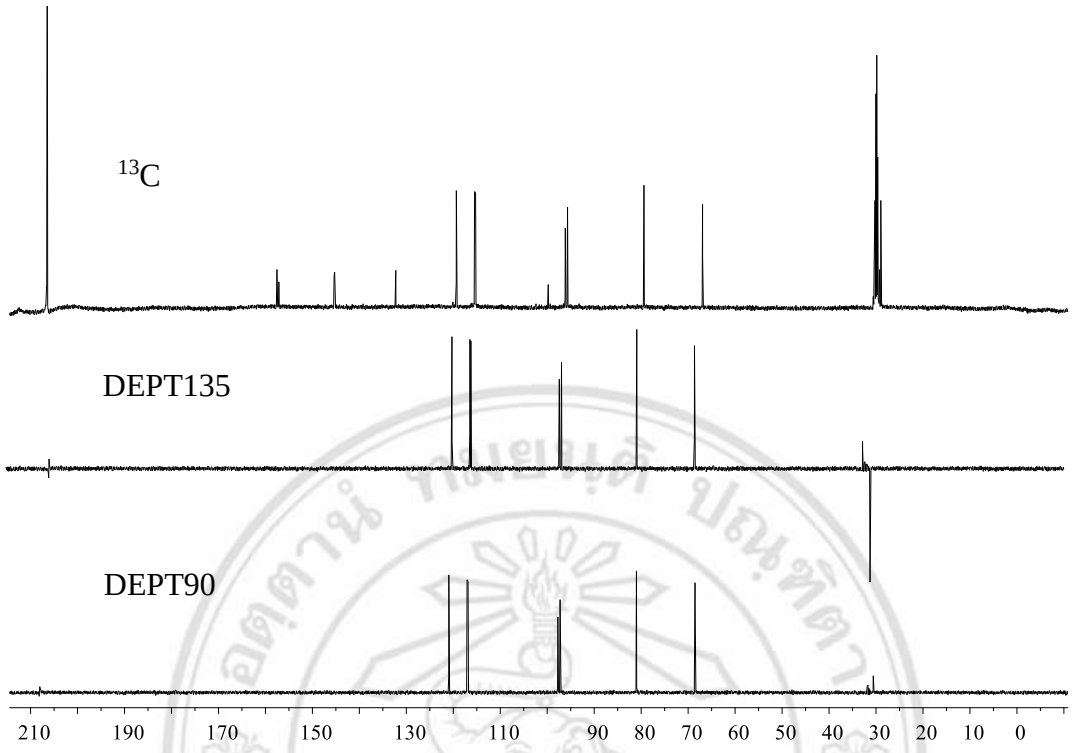


Figure A19 ^{13}C NMR, DEPT135 and DEPT90 Spectra (acetone-d_6, 100 MHz) of (−)-Epicatechin (**DY3**)

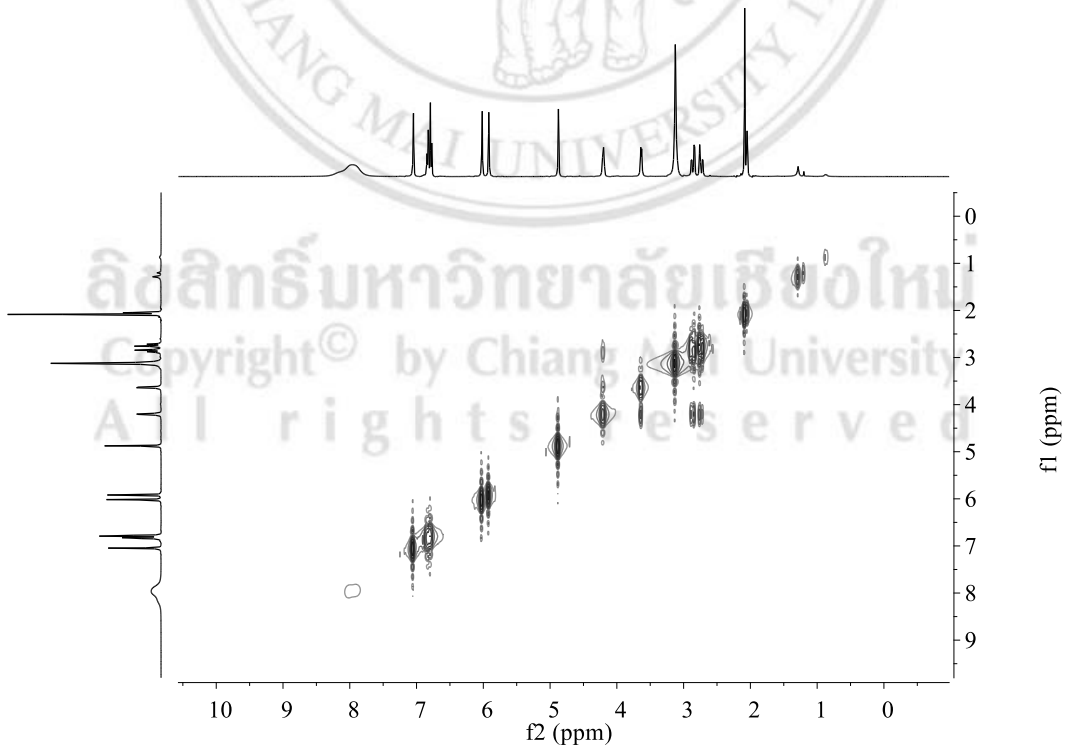


Figure A20 COSY Spectrum of (−)-Epicatechin (**DY3**) in acetone-d_6

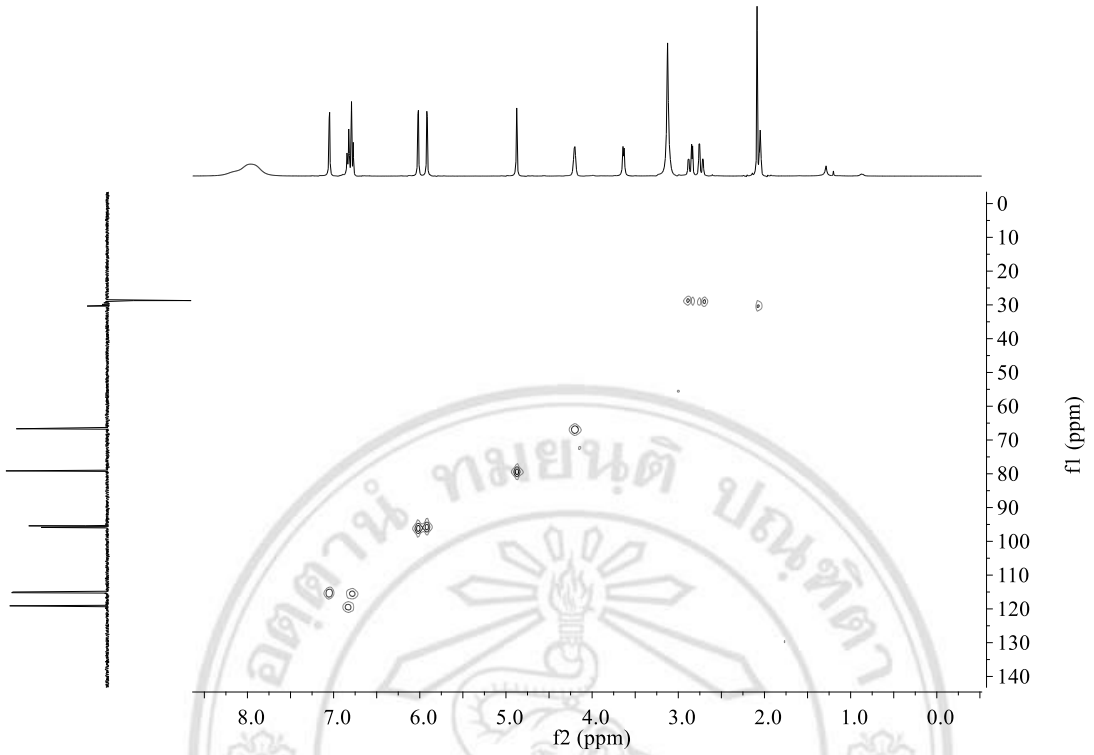


Figure A21 HMQC Spectrum of (–)-Epicatechin (**DY3**) in acetone-d_6

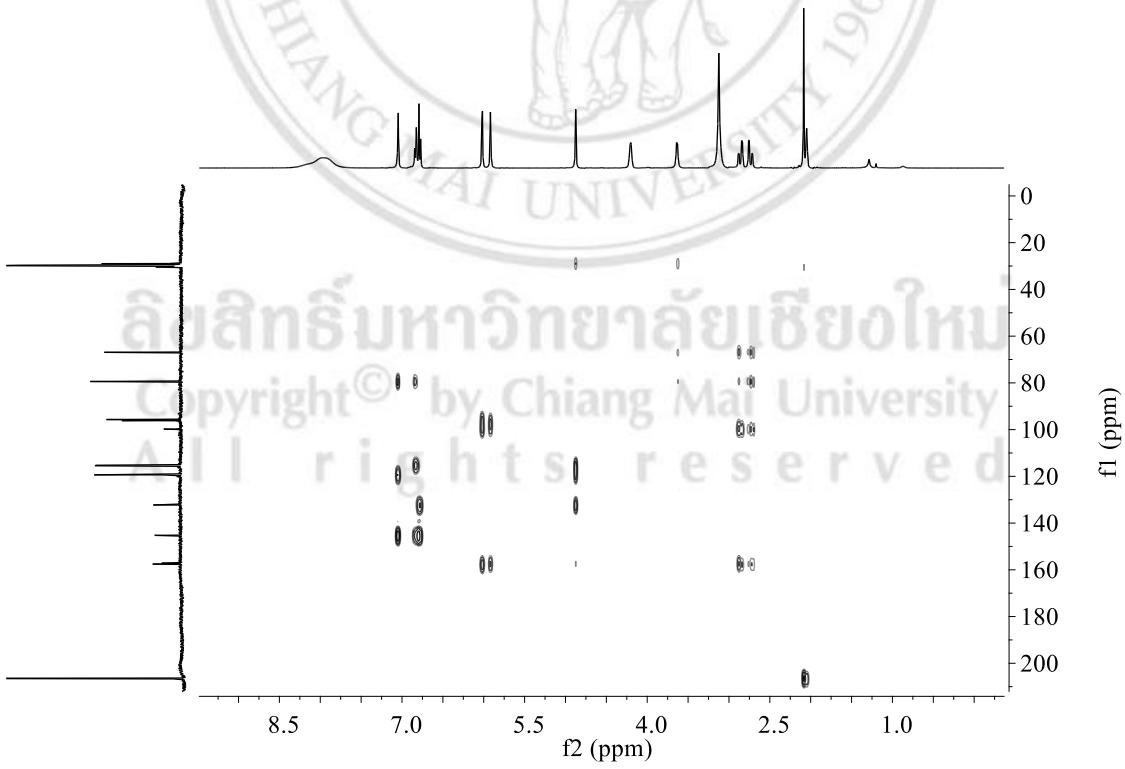


Figure A22 HMBC Spectrum of (–)-Epicatechin (**DY3**) in acetone-d_6

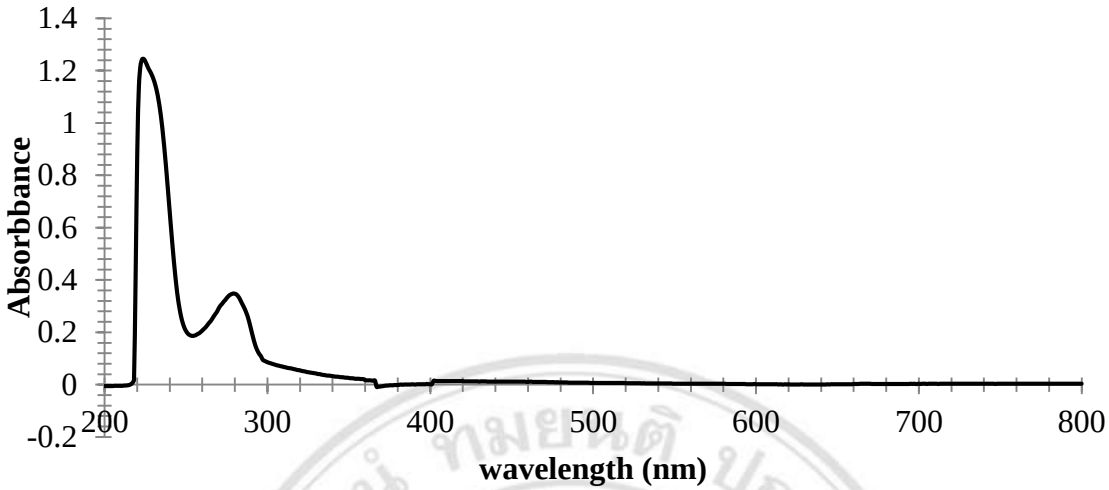


Figure A23 UV Spectrum of 3′-*O*-Methyl-(−)-epicatechin (**DY4**)

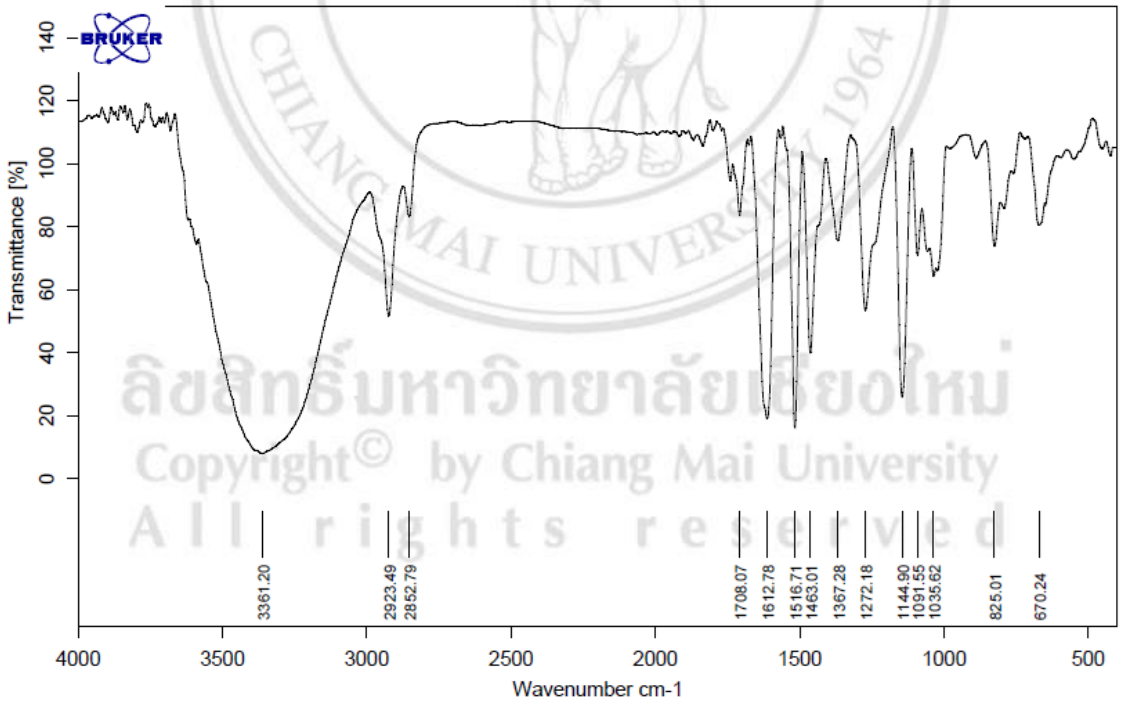


Figure A24 IR Spectrum of 3′-*O*-Methyl-(−)-epicatechin (**DY4**)

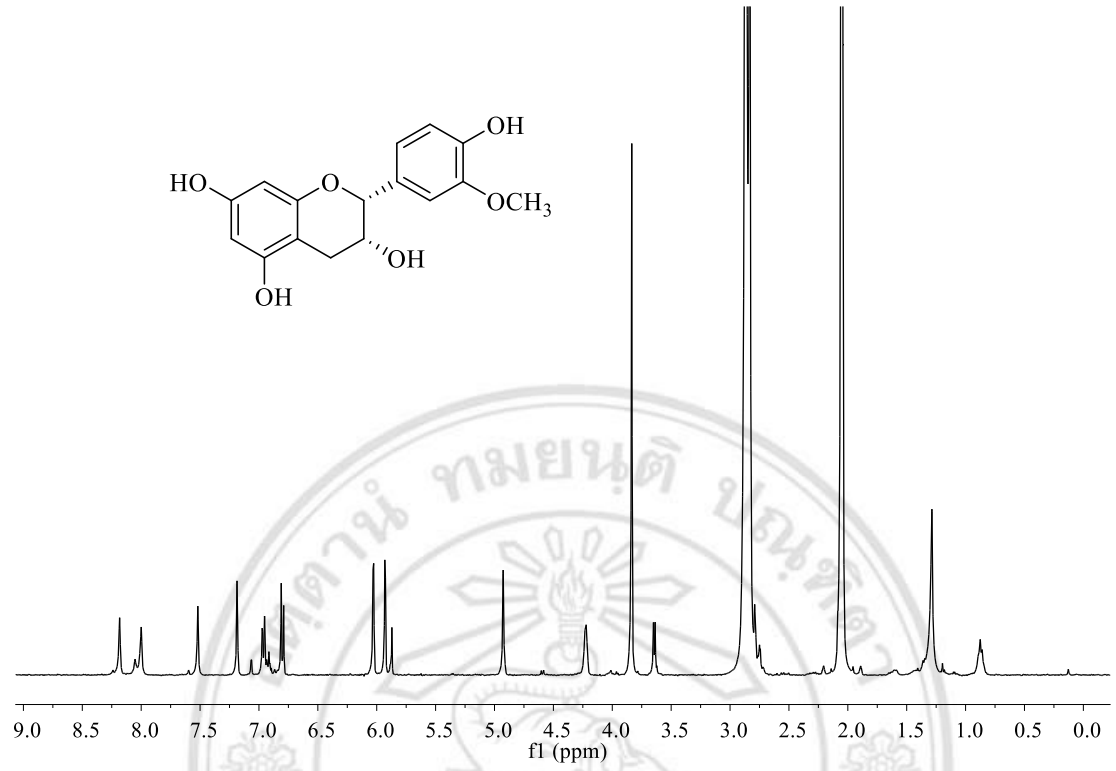


Figure A25 ^{1}H NMR Spectrum (acetone-d_6, 400 MHz) of 3′-*O*-Methyl-(−)-epicatechin (**DY4**)

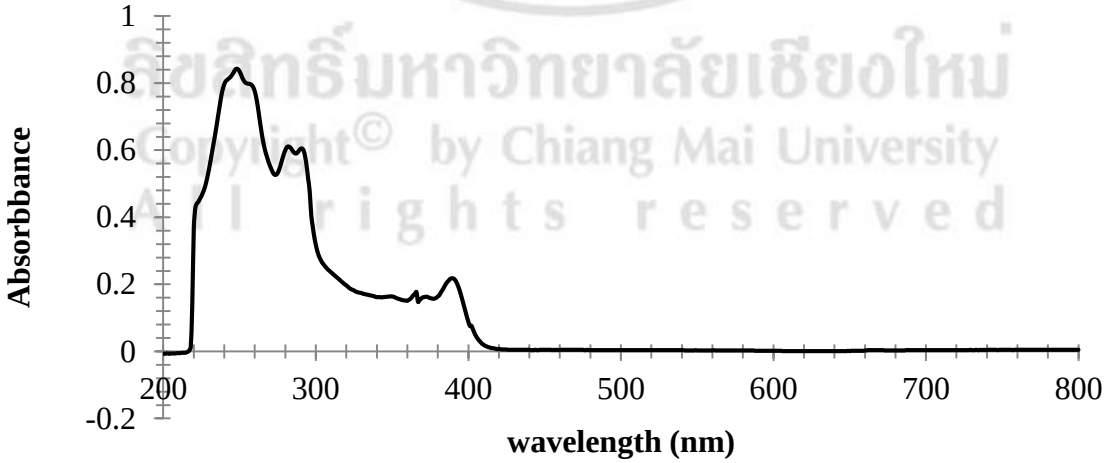


Figure A26 UV Spectrum of Goniopedaline (**DY5**)

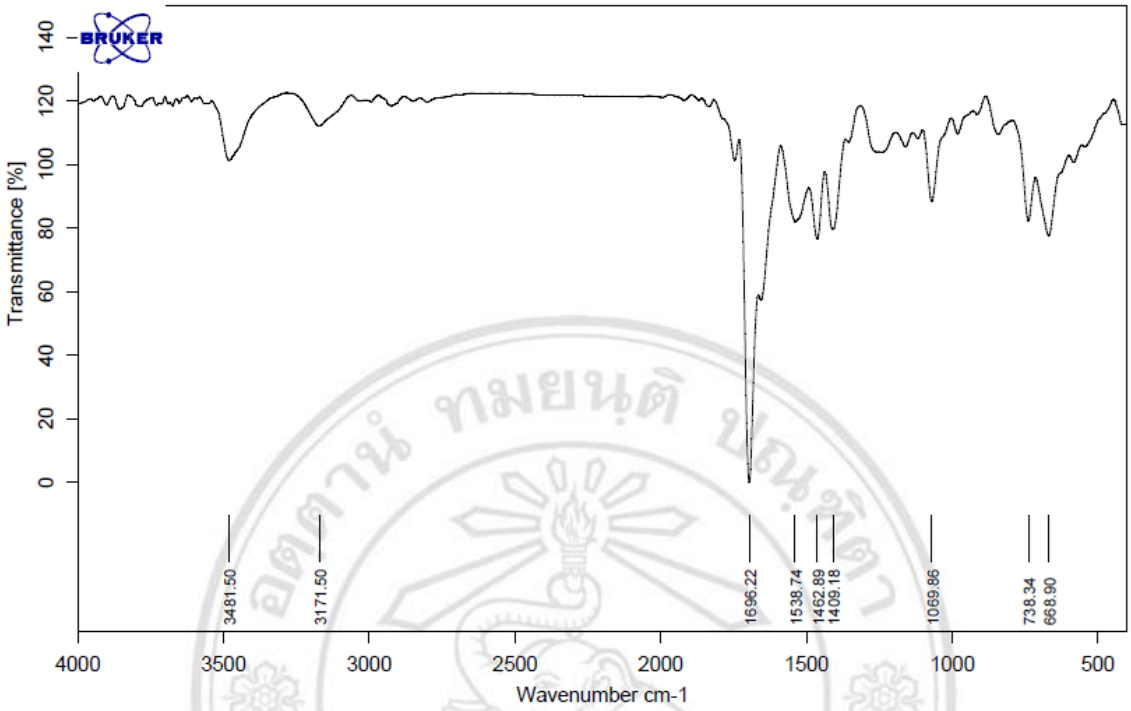


Figure A27 IR Spectrum of Goniopedaline (**DY5**)

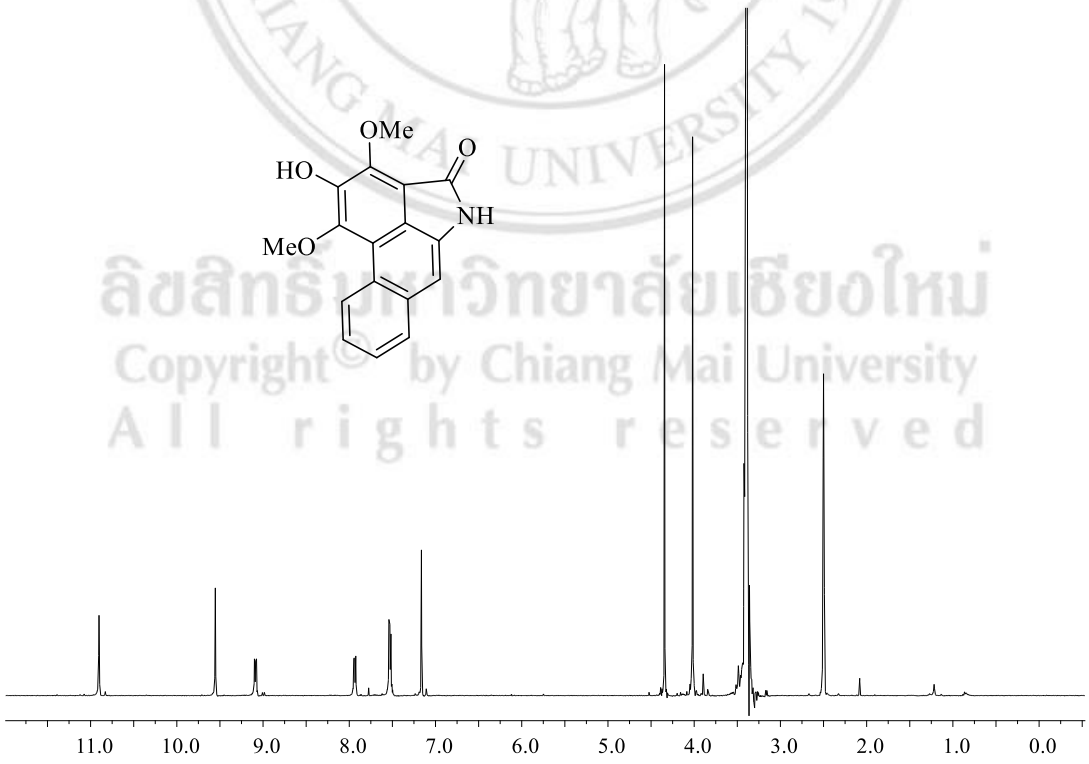


Figure A28 ^{1}H NMR Spectrum (DMSO-d_6, 400 MHz) of Goniopedaline (**DY5**)

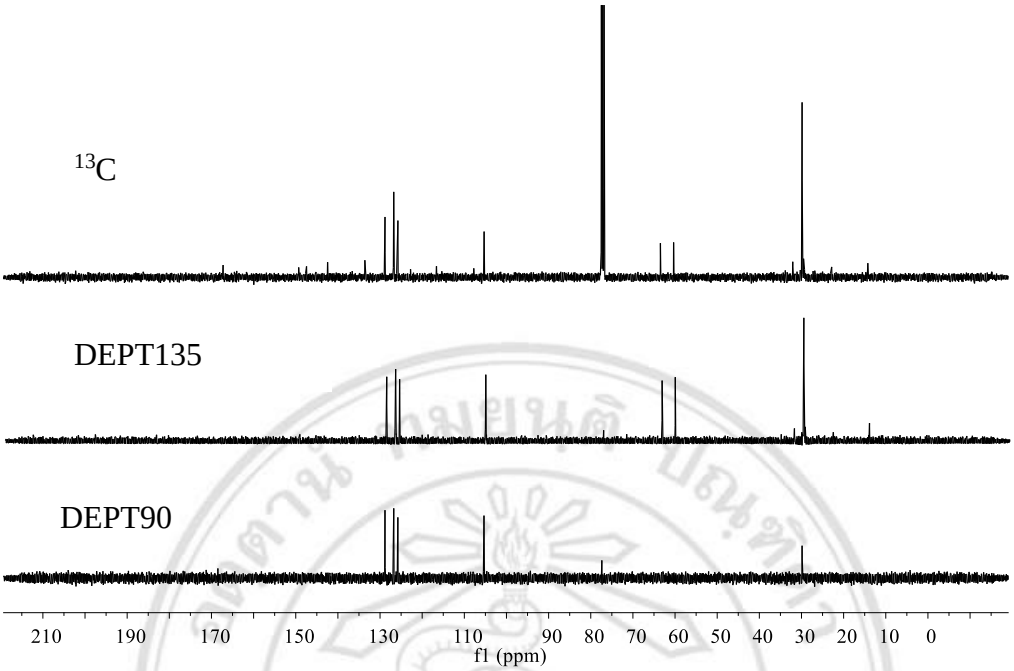


Figure A29 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of Goniopedaline (**DY5**)

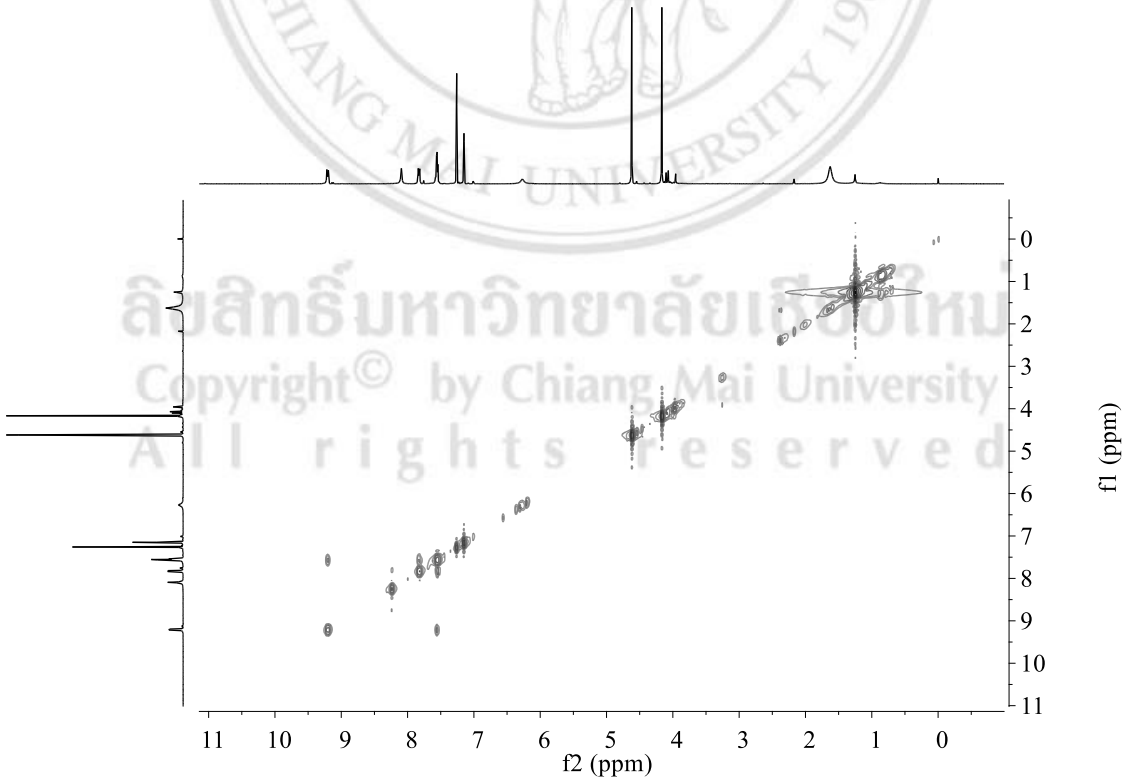


Figure A30 COSY Spectrum of Goniopedaline (**DY5**) in $CDCl_3$

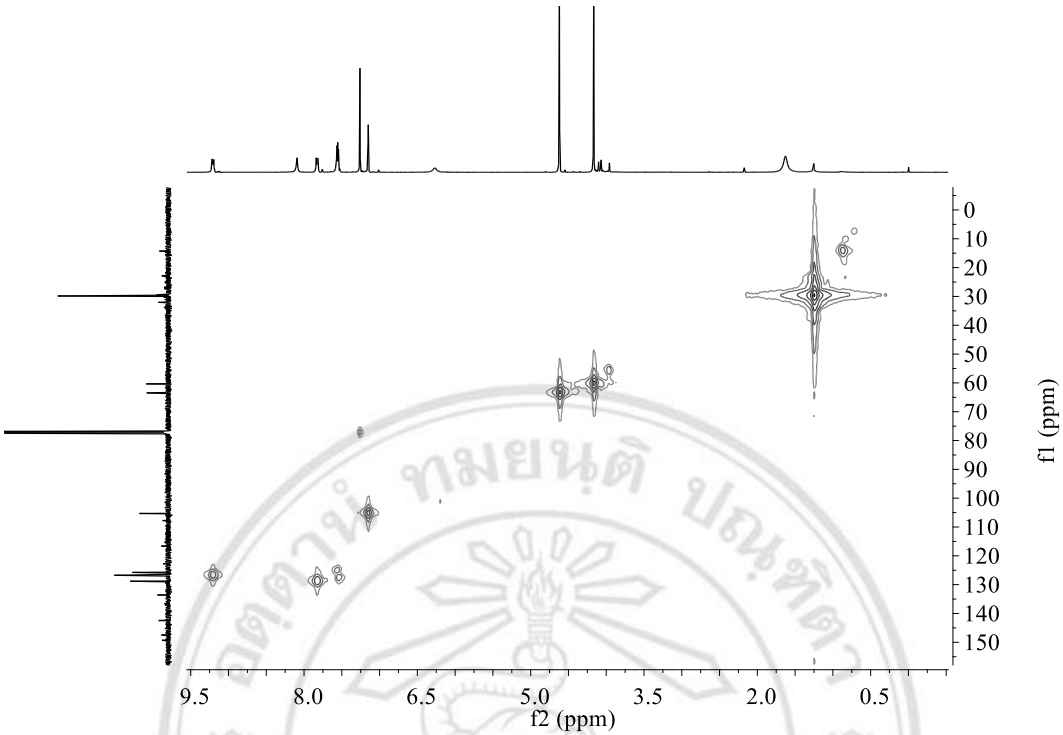


Figure A31 HMQC Spectrum of Goniopedaline (**DY5**) in $CDCl_3$

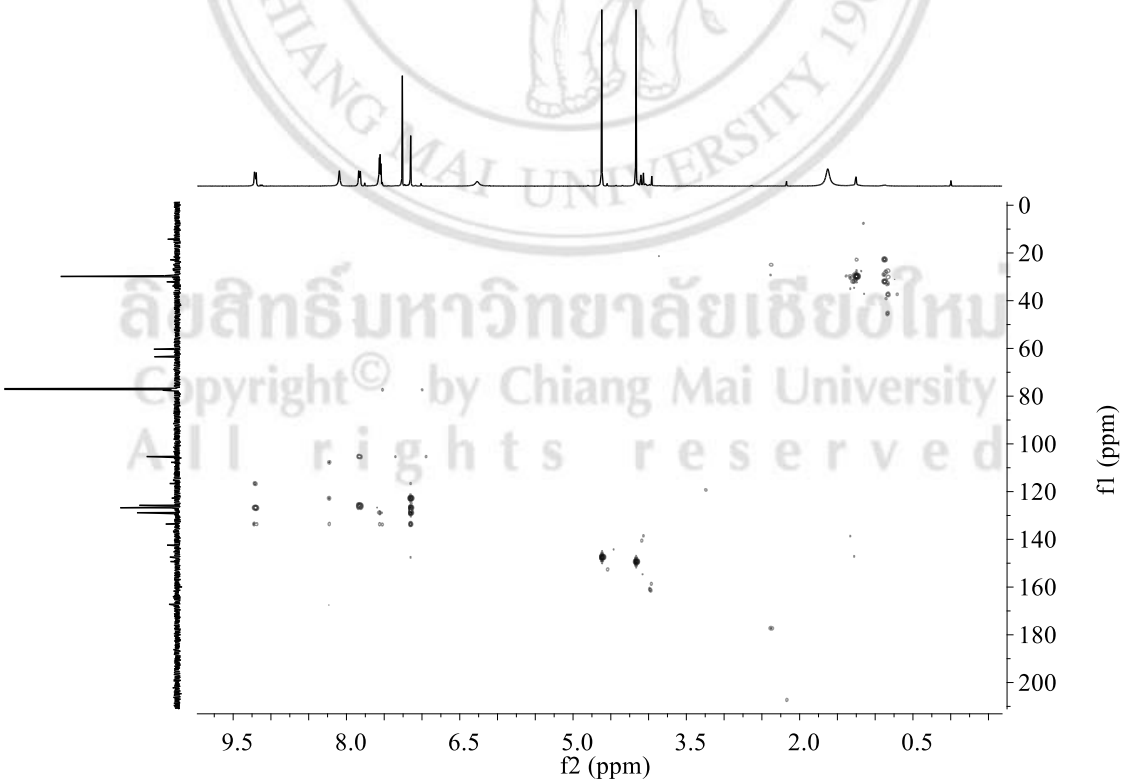


Figure A32 HMBC Spectrum of Goniopedaline (**DY5**) in $CDCl_3$

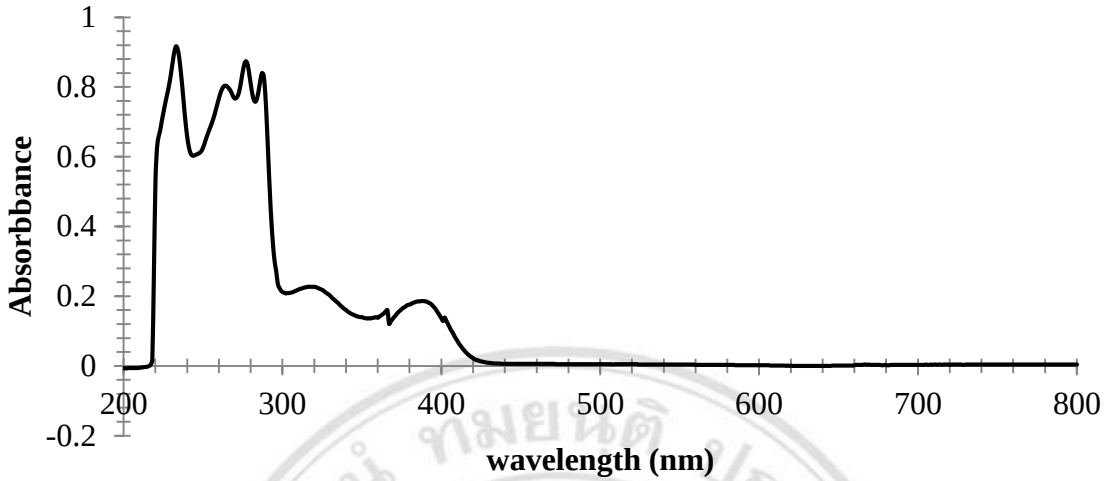


Figure A33 UV Spectrum of Aristolactam BII (**DY6**)

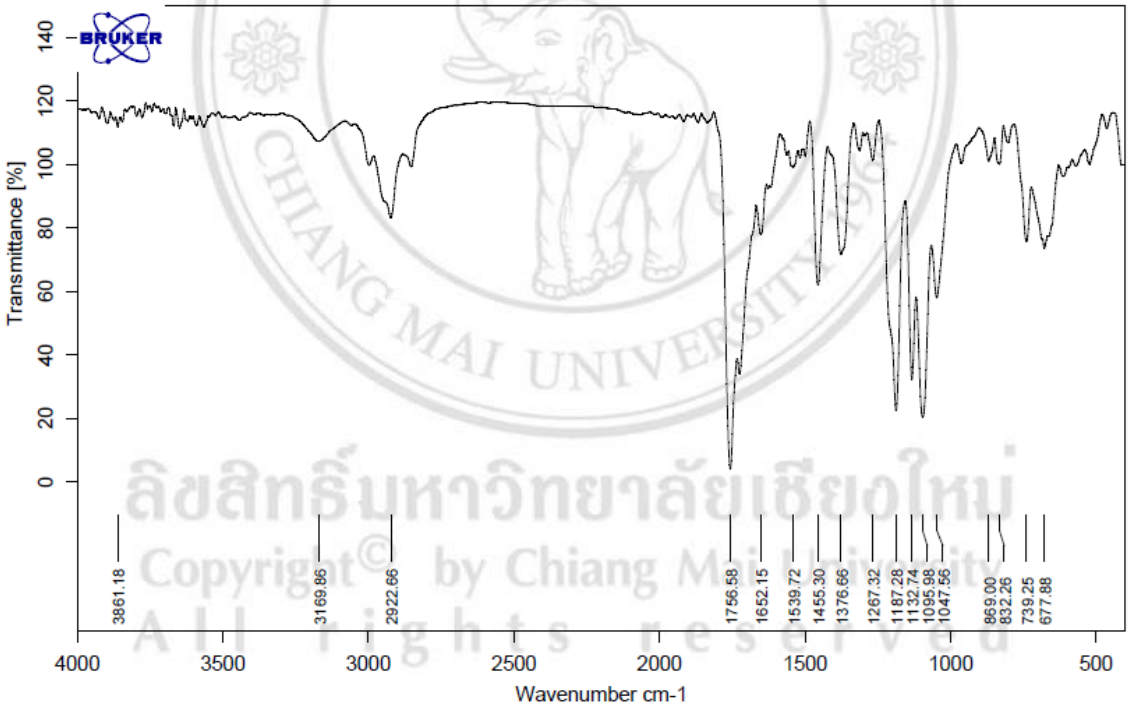


Figure A34 IR Spectrum of Aristolactam BII (**DY6**)

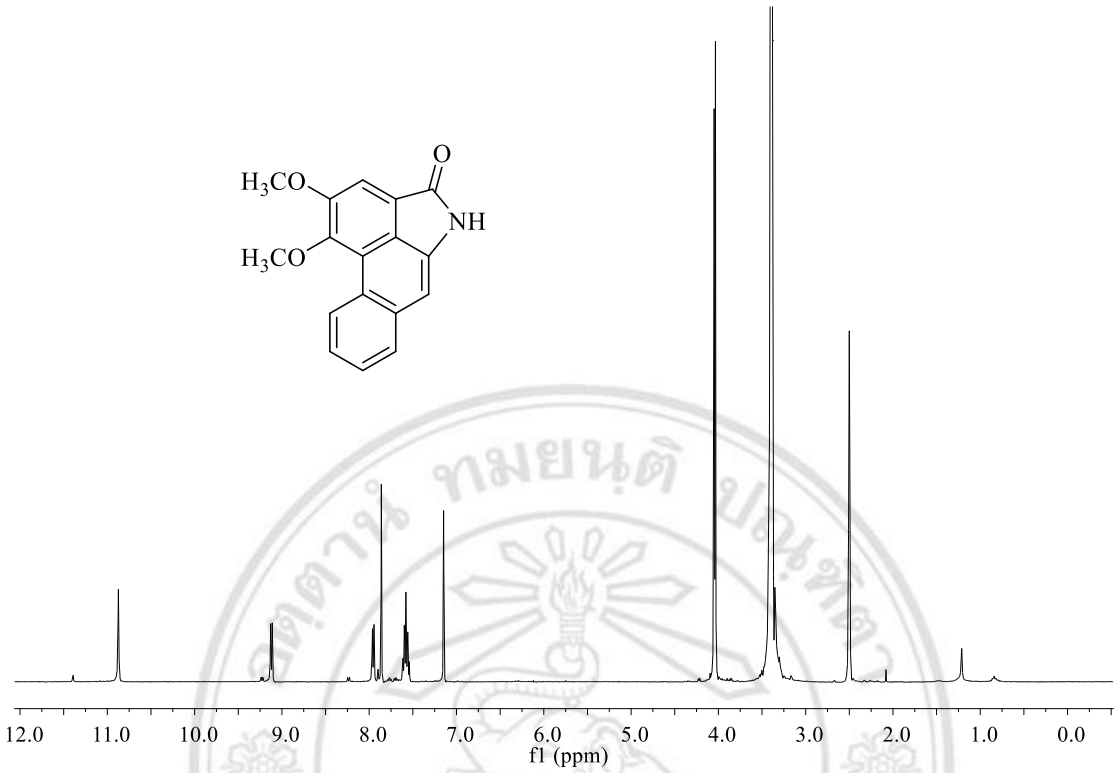


Figure A35 ^{1}H NMR Spectrum (DMSO-d_6, 400 MHz) of Aristolactam BII (**DY6**)

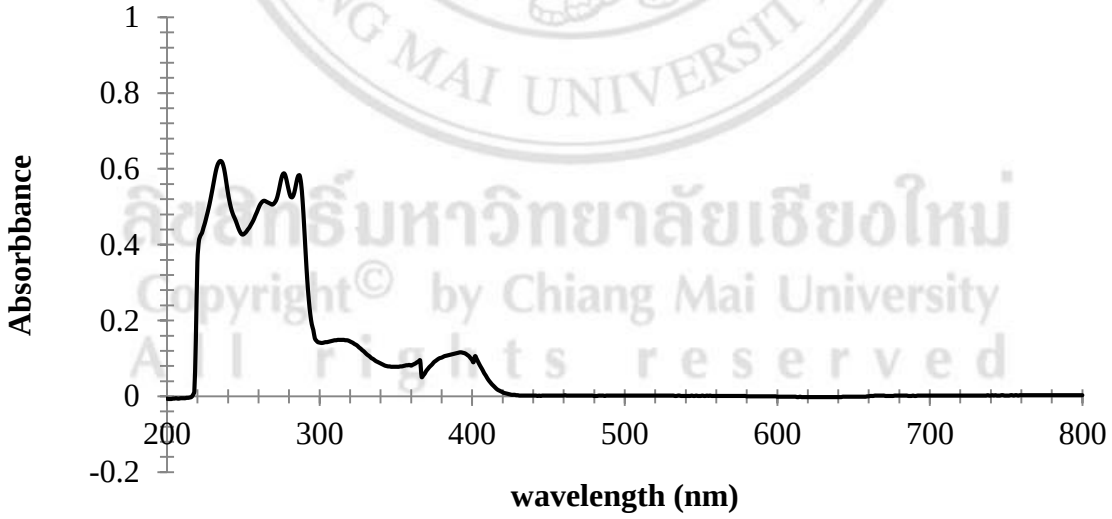


Figure A36 UV Spectrum of Piperolactam A (**DY7**)

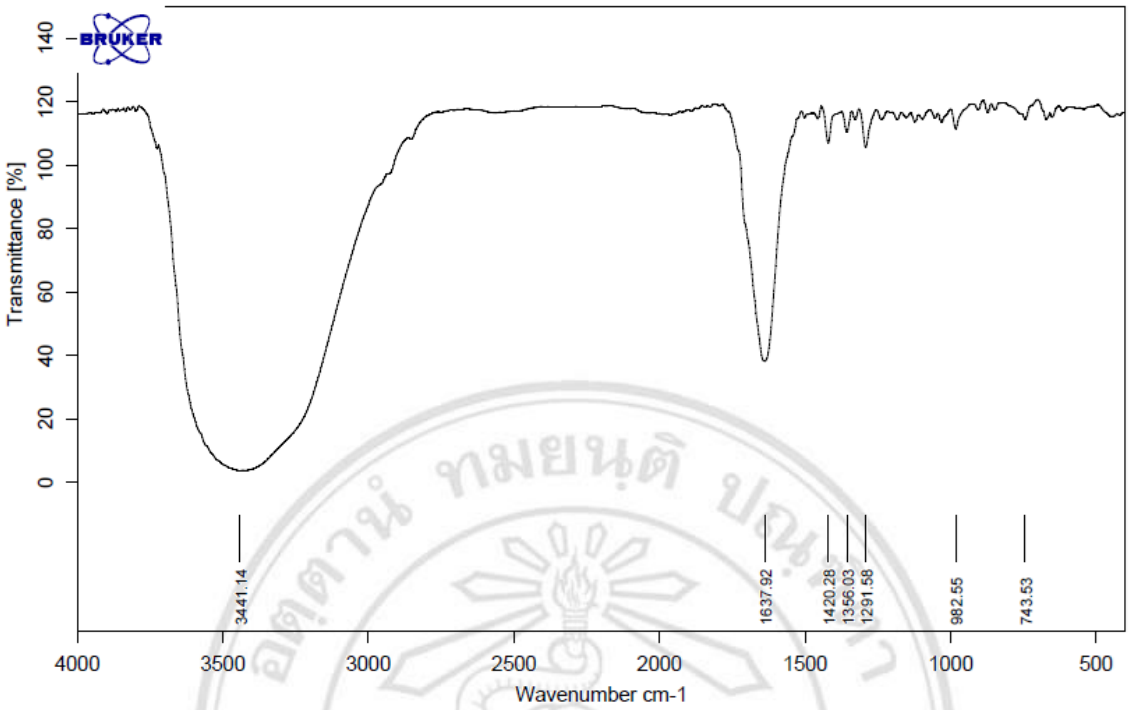


Figure A37 IR Spectrum of Piperolactam A (**DY7**)

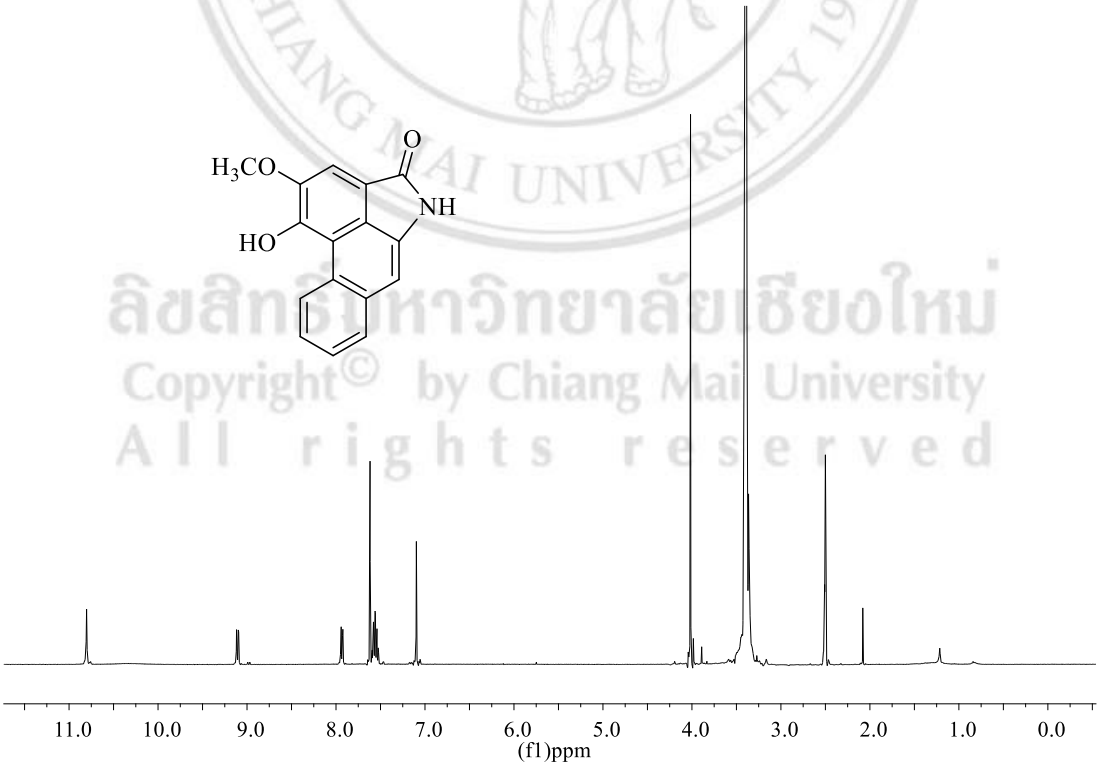


Figure 38 ^{1}H NMR Spectrum (DMSO-d_6, 400 MHz) of Piperolactam A (**DY7**)

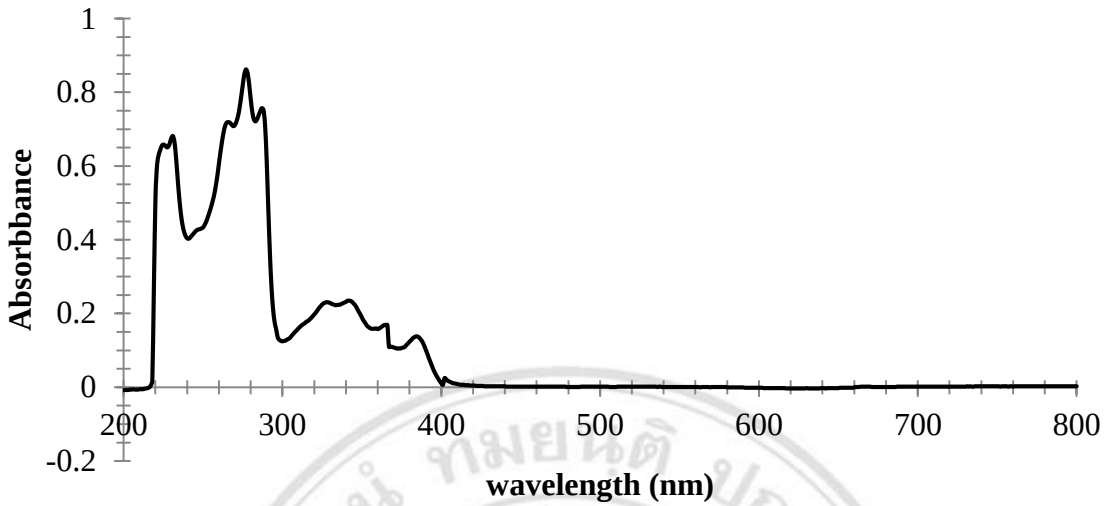


Figure A39 UV Spectrum of Aristolactam AII (**DY8**)

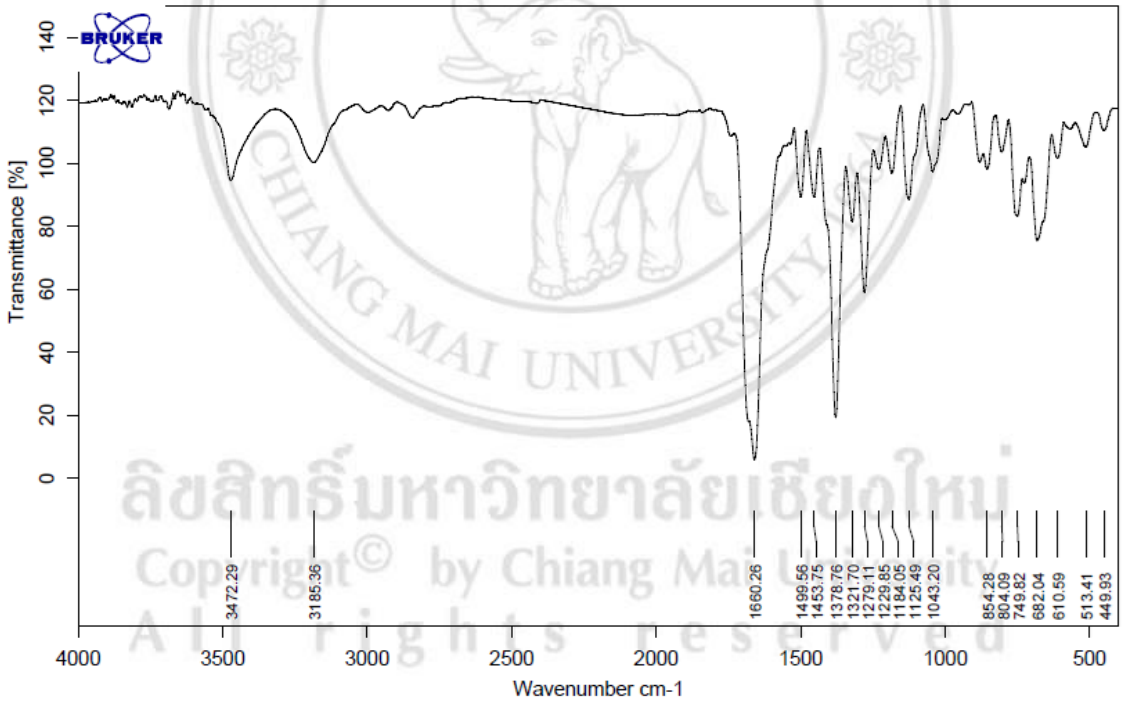


Figure A40 IR Spectrum of Aristolactam AII (**DY8**)

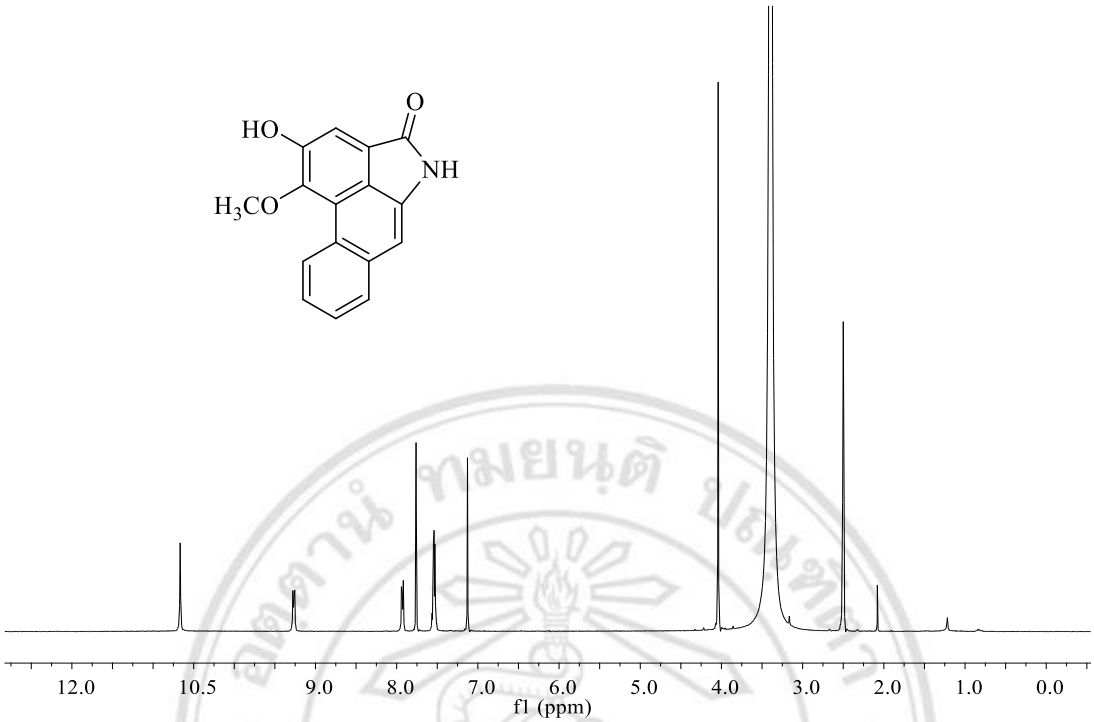


Figure A41 ^{1}H NMR Spectrum (DMSO-d_6, 400 MHz) of Aristolactam AII (**DY8**)

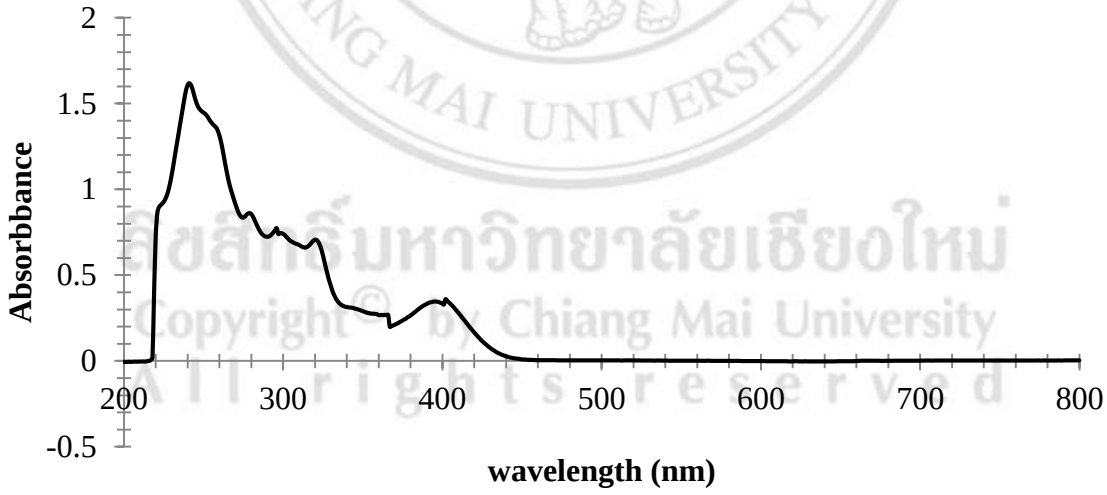


Figure A42 UV Spectrum of 10-Amino-3,6-dihydroxy-2,4-dimethoxyphenanthrene-1-carboxylic acid lactam (**DY9**)

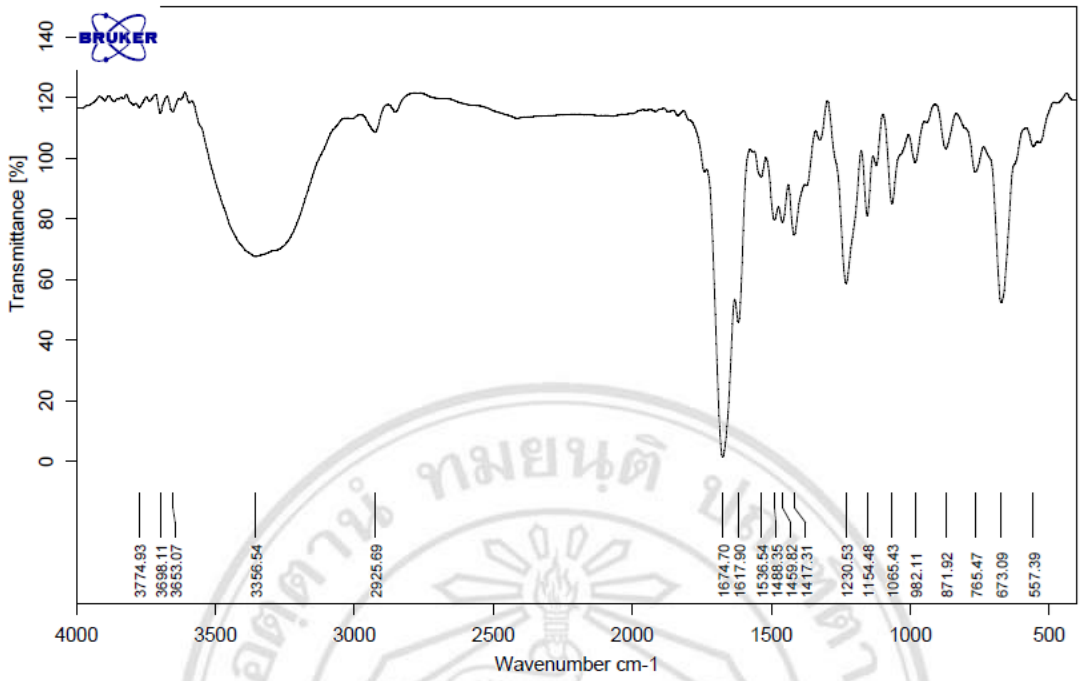


Figure A43 IR Spectrum of 10-Amino-3,6-dihydroxy-2,4-dimethoxyphenanthrene-1-carboxylic acid lactam (**DY9**)

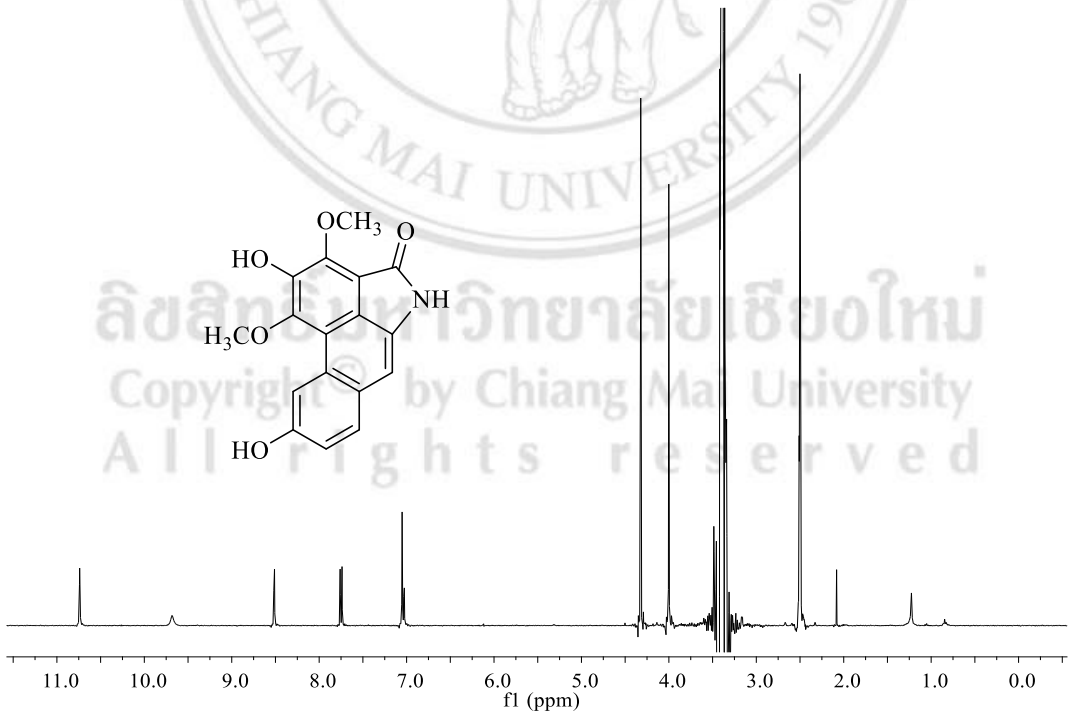


Figure A44 ^{1}H NMR Spectrum (DMSO-d_6, 400 MHz) of 10-Amino-3,6-dihydroxy-2,4-dimethoxyphenanthrene-1-carboxylic acid lactam (**DY9**)

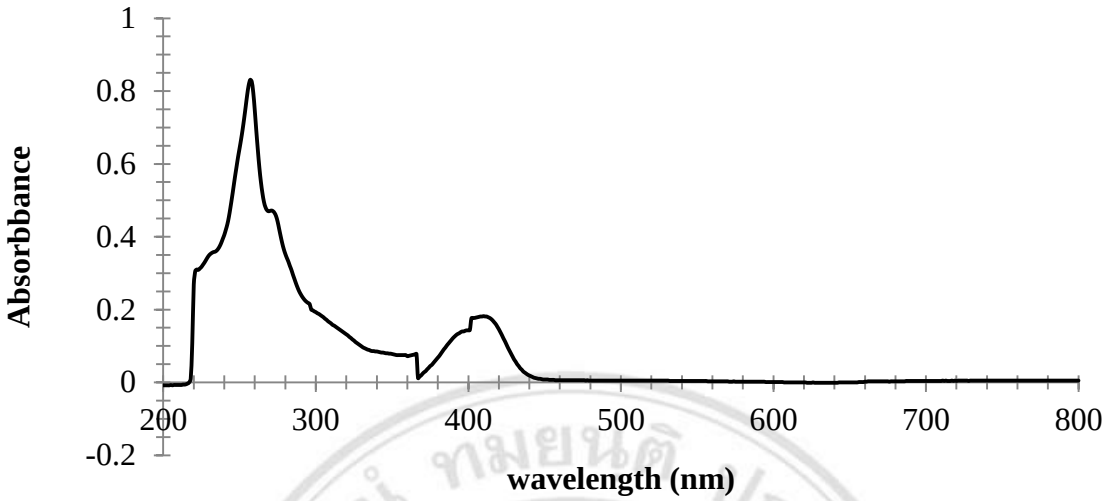


Figure A45 UV Spectrum of 3,5-Dihydroxy-2,4-dimethoxyaristolactam (**DY10**)

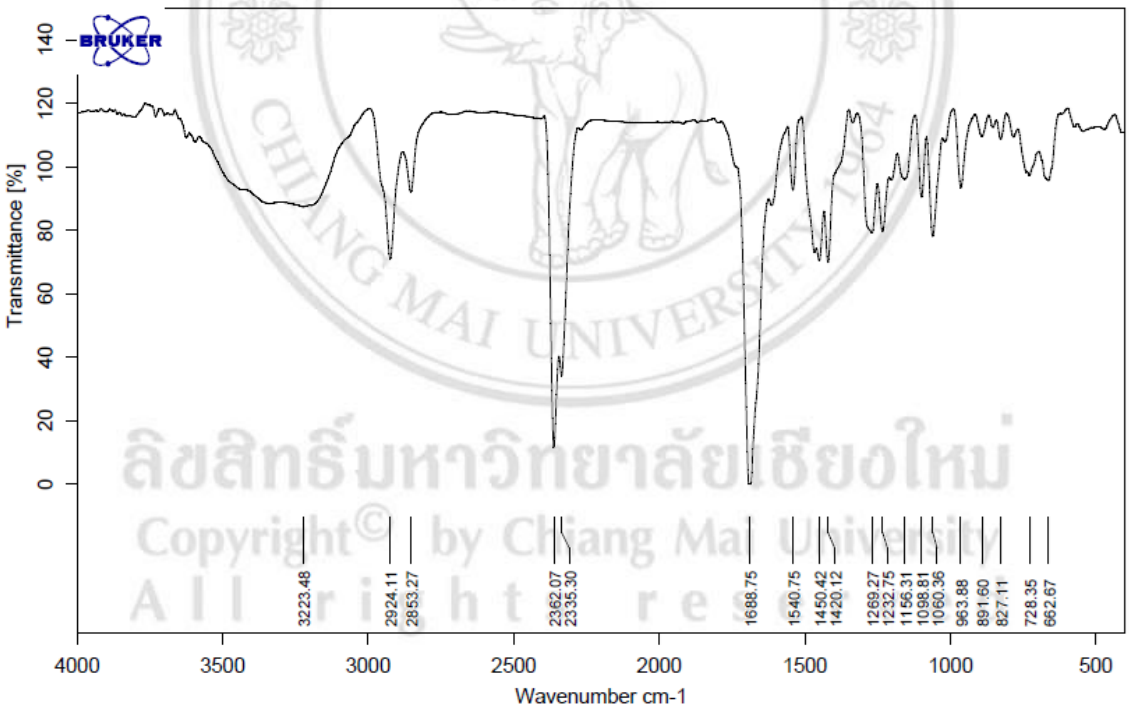


Figure A46 IR Spectrum of 3,5-Dihydroxy-2,4-dimethoxyaristolactam (**DY10**)

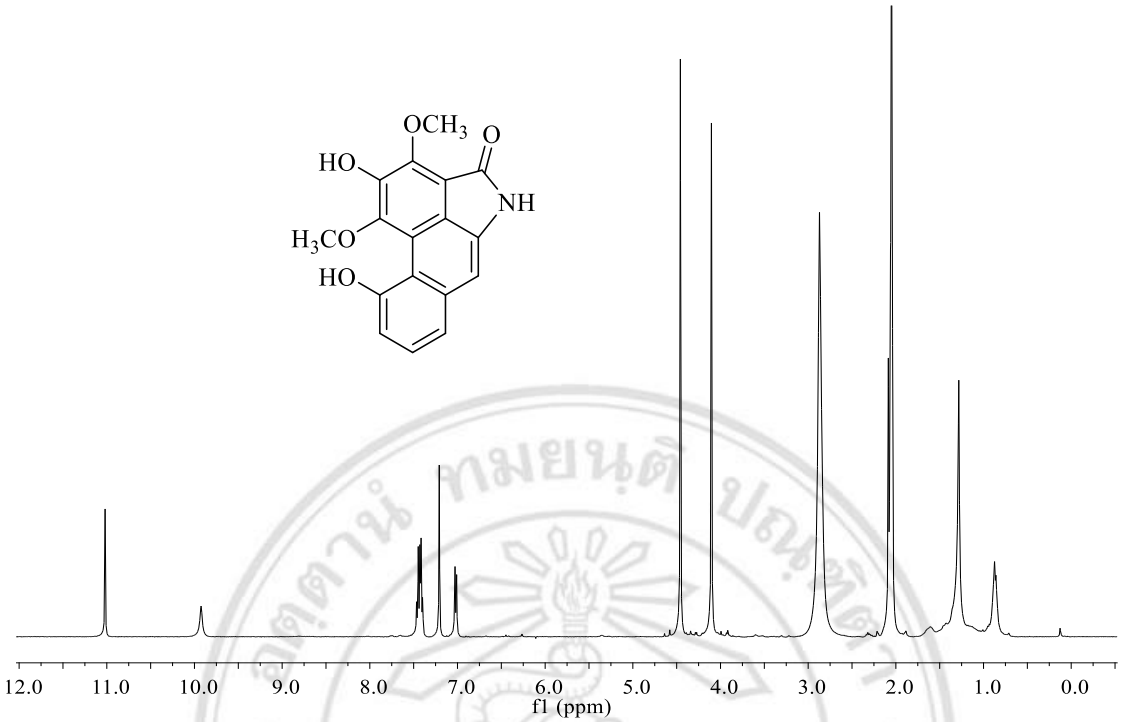


Figure A47 ^{1}H NMR Spectrum (Acetone-d_6, 400 MHz) of 3,5-Dihydroxy-2,4-dimethoxyaristolactam (**DY10**)

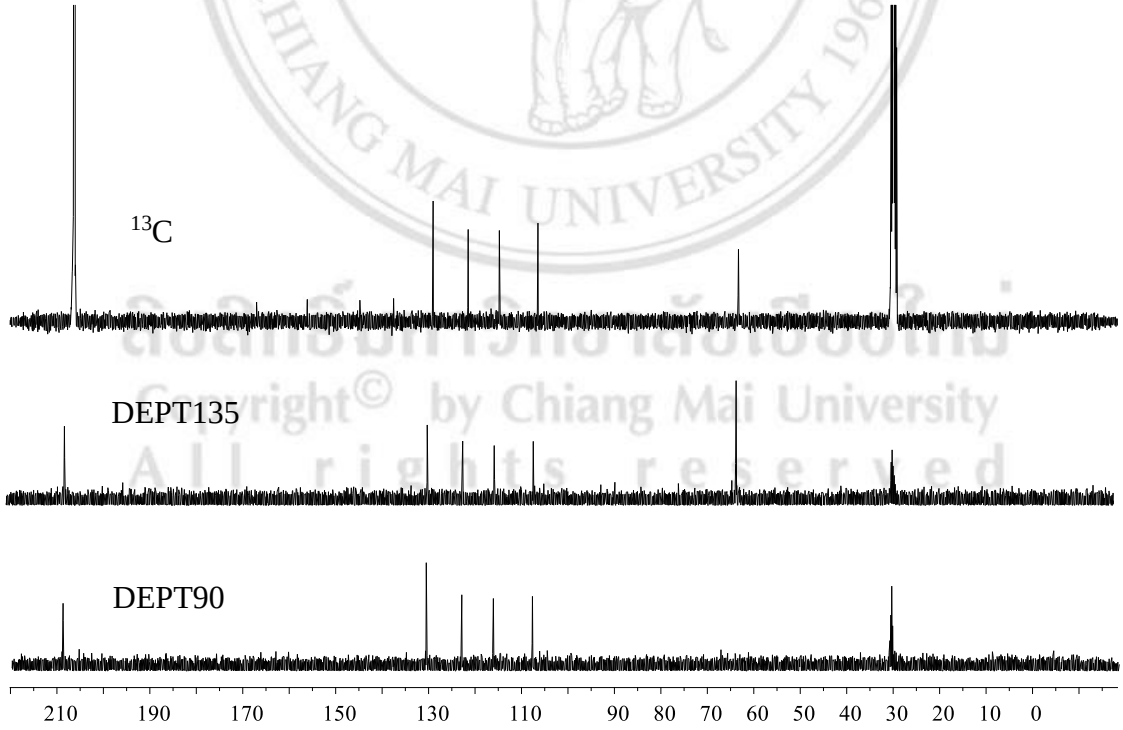


Figure A48 ^{13}C NMR, DEPT135 and DEPT90 Spectra (acetone-d_6, 100 MHz) of 3,5-Dihydroxy-2,4-dimethoxyaristolactam (**DY10**)

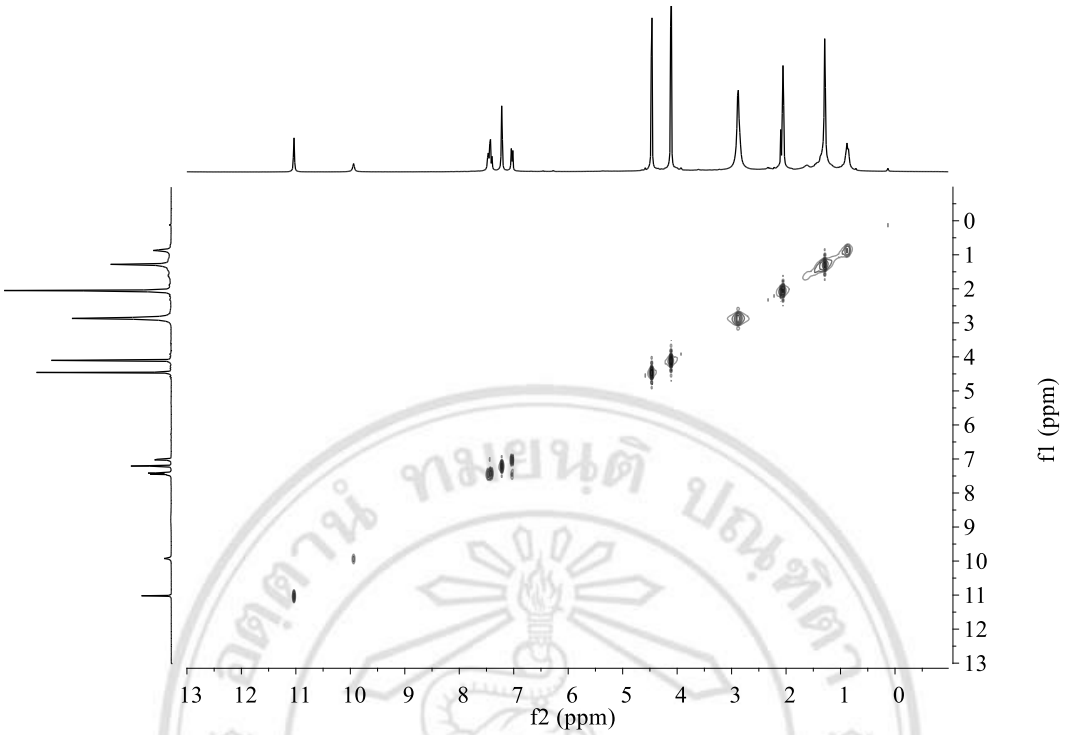


Figure A49 COSY Spectrum of 3,5-Dihydroxy-2,4-dimethoxyaristolactam (**DY10**) in Acetone-d_6

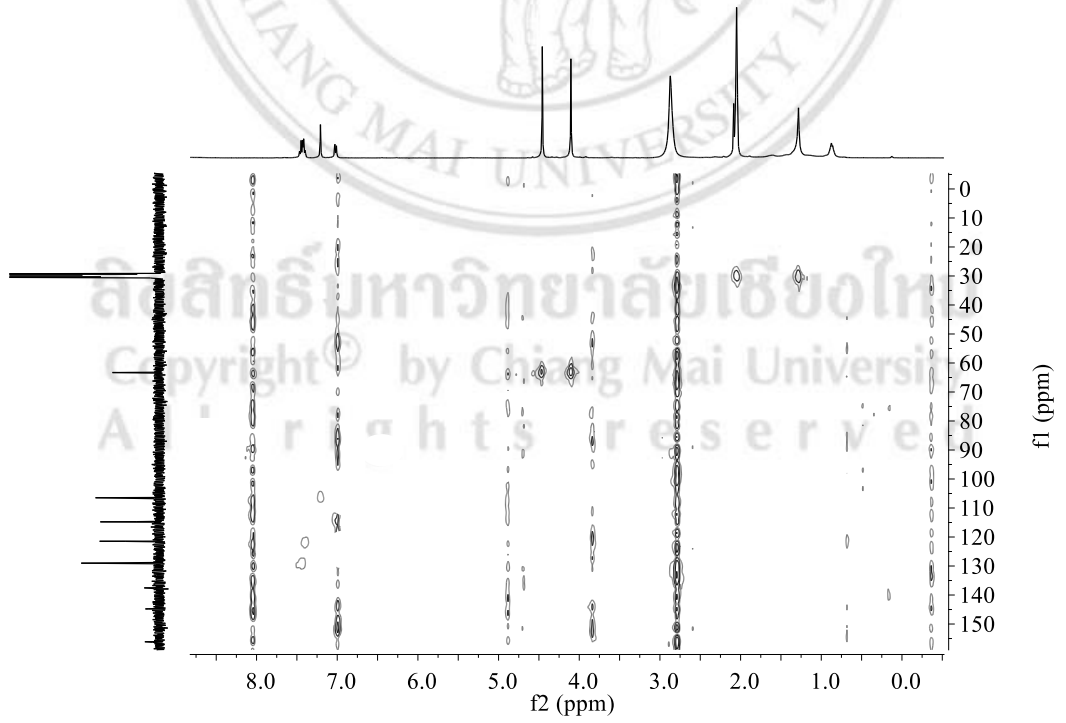


Figure A50 HMQC Spectrum of 3,5-Dihydroxy-2,4-dimethoxyaristolactam (**DY10**) in Acetone-d_6

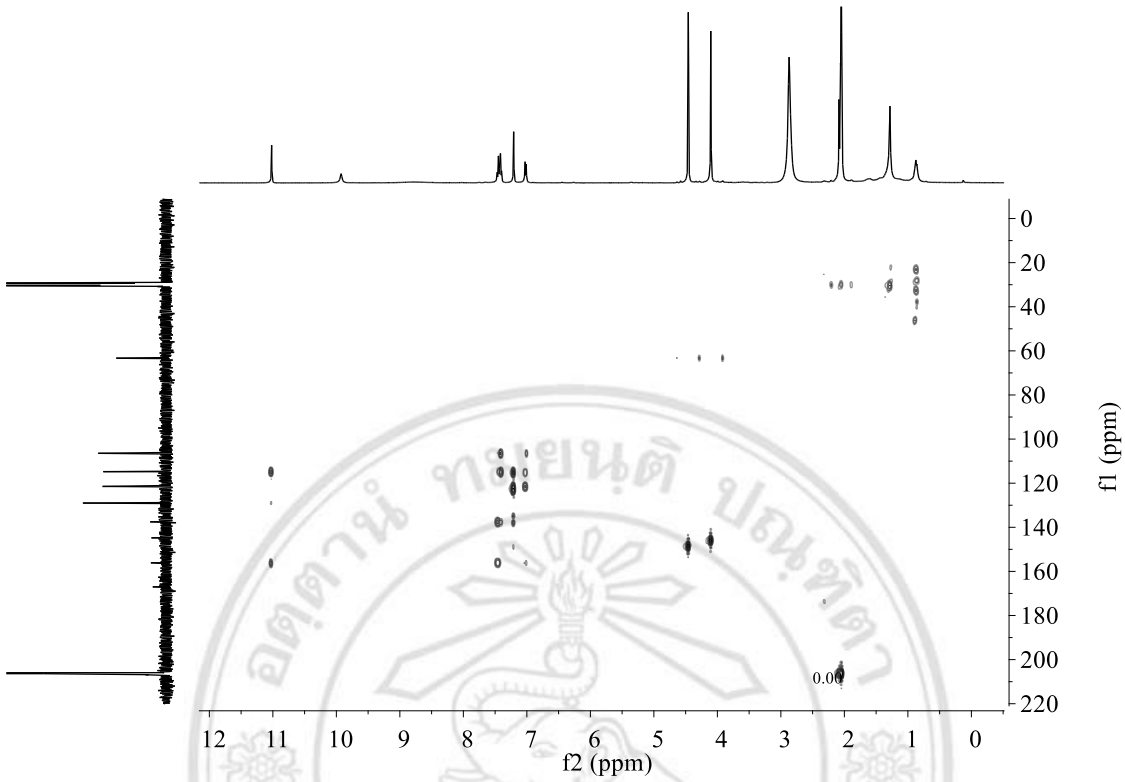


Figure A51 HMBC Spectrum of 3,5-Dihydroxy-2,4-dimethoxyaristolactam (**DY10**) in Acetone-d_6

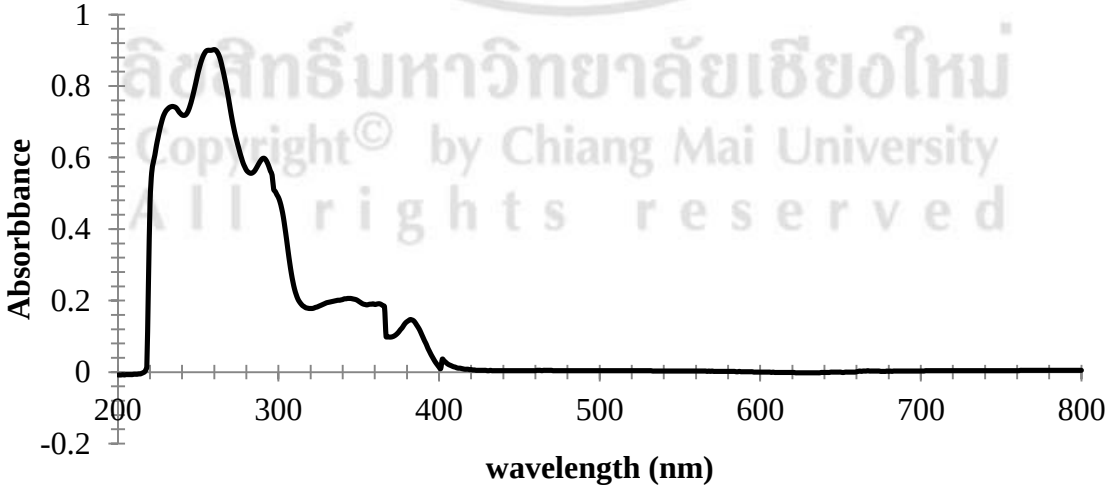


Figure A52 UV Spectrum of Piperolactam C (**DY11**)

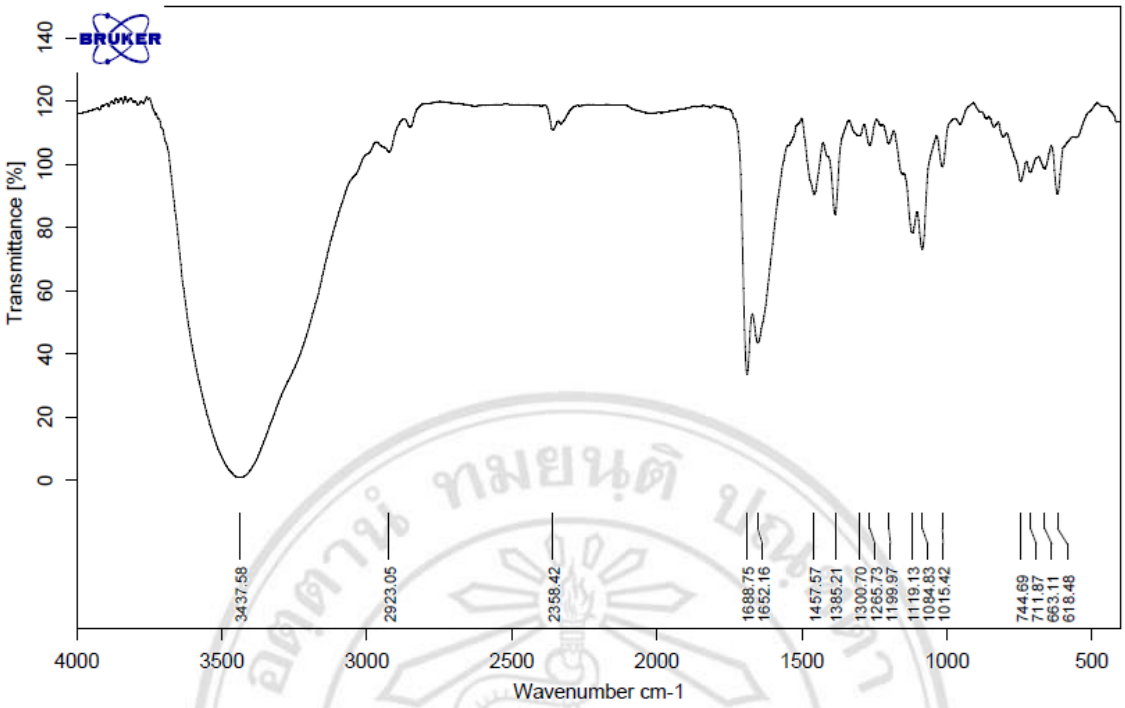


Figure A53 IR Spectrum of Piperolactam C (**DY11**)

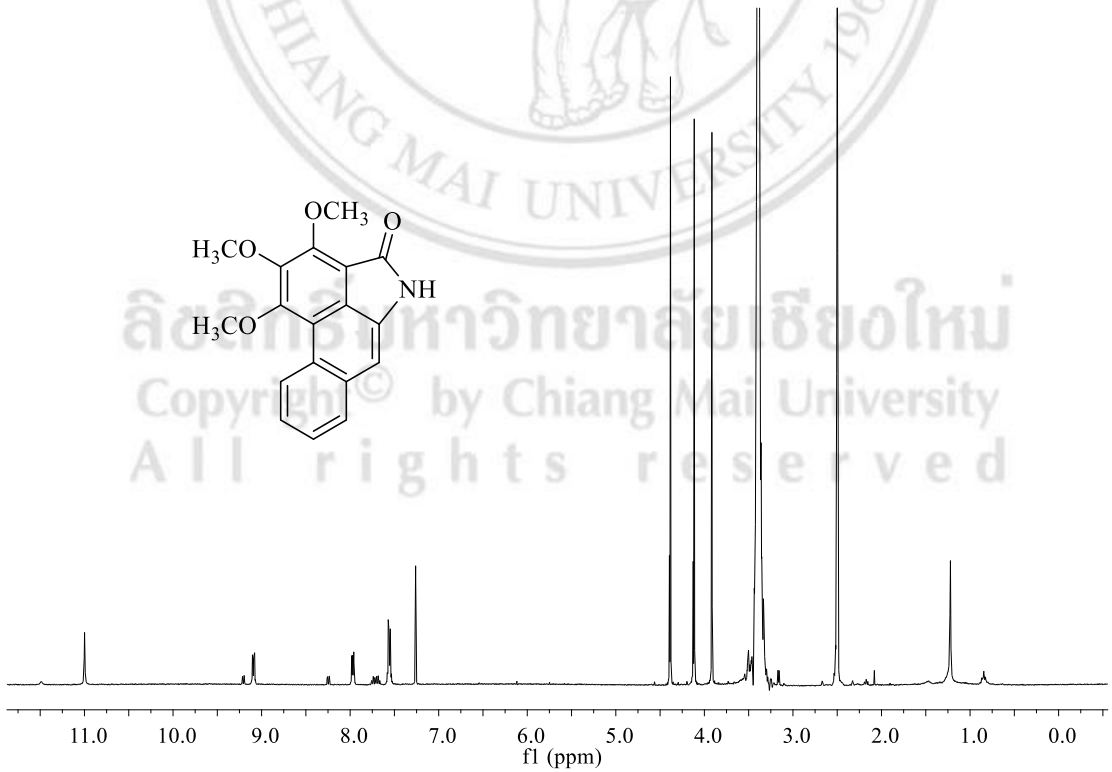


Figure A54 ^{1}H NMR Spectrum (DMSO-d_6, 400 MHz) of Piperolactam C (**DY11**)

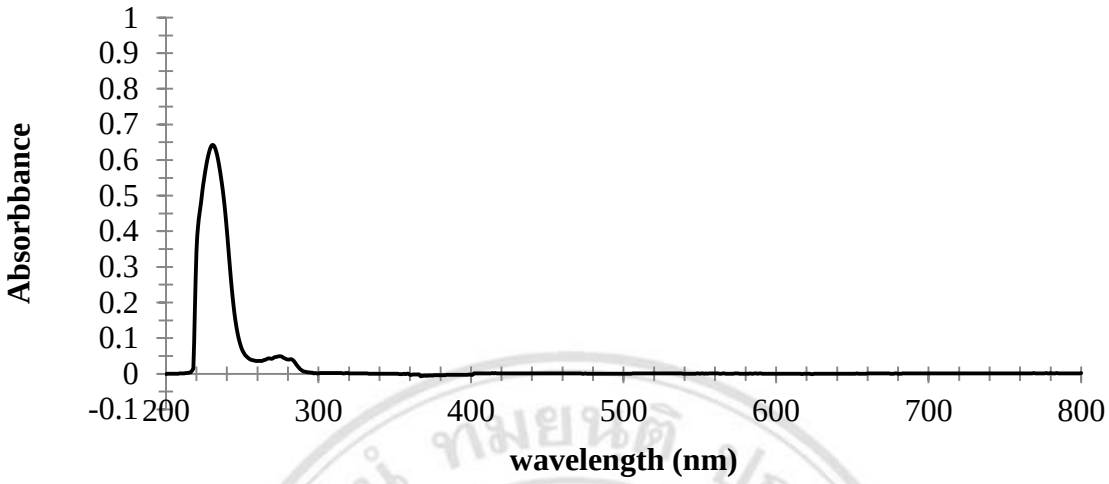


Figure A55 UV Spectrum of (+)-Crotepoxide (**DY12**)

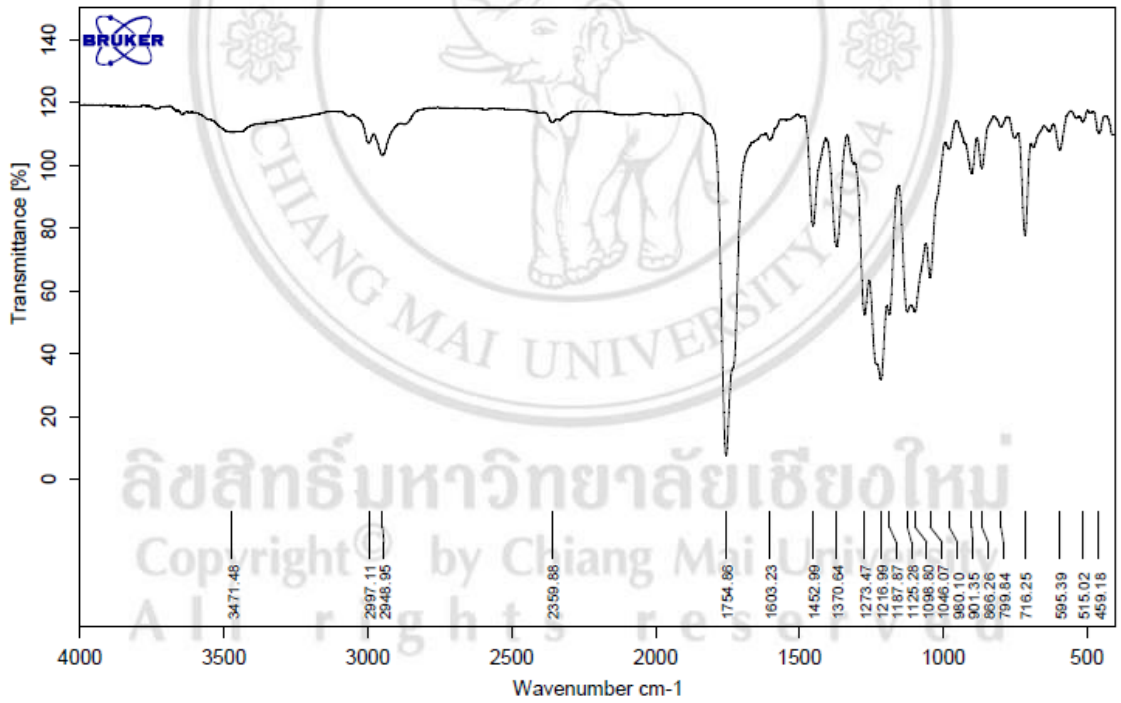


Figure A56 IR Spectrum of (+)-Crotepoxide (**DY12**)

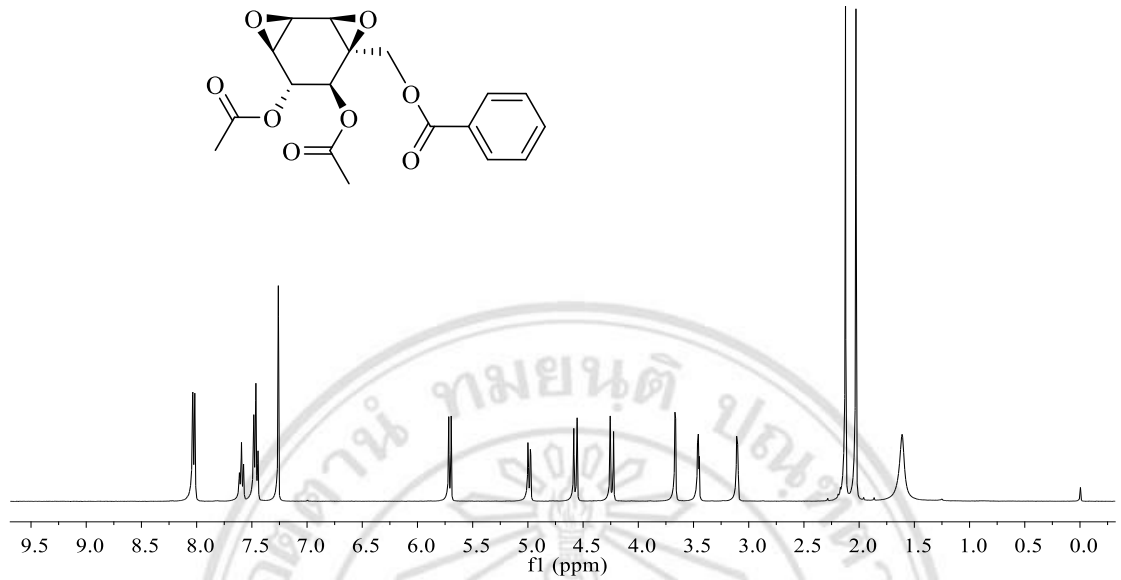


Figure A57 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of (+)-Crotepoxide (**DY12**)

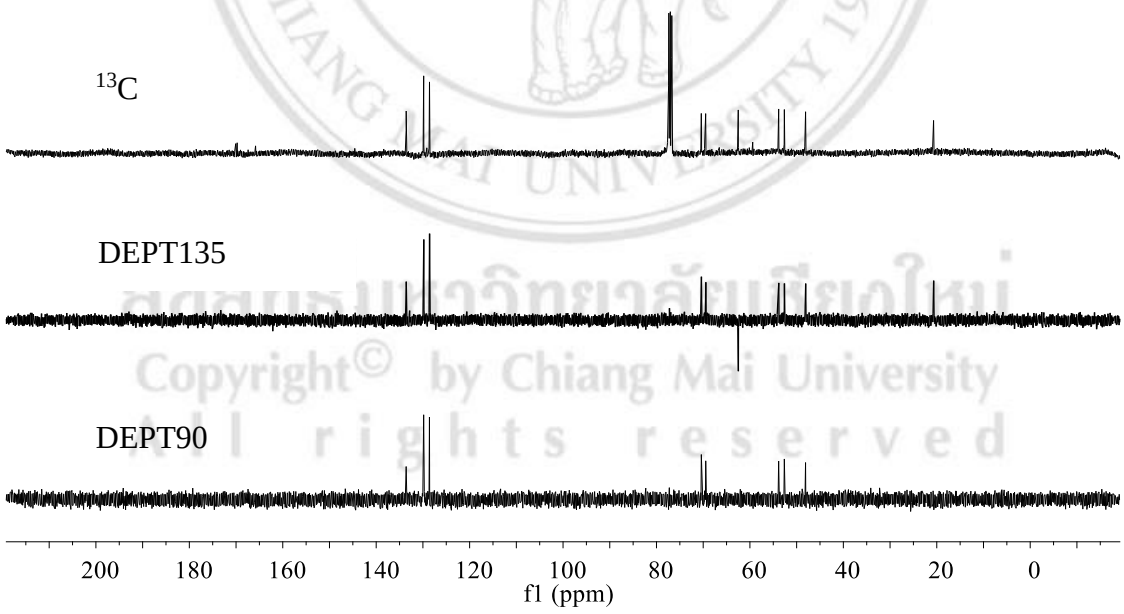


Figure A58 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of (+)-Crotepoxide (**DY12**)

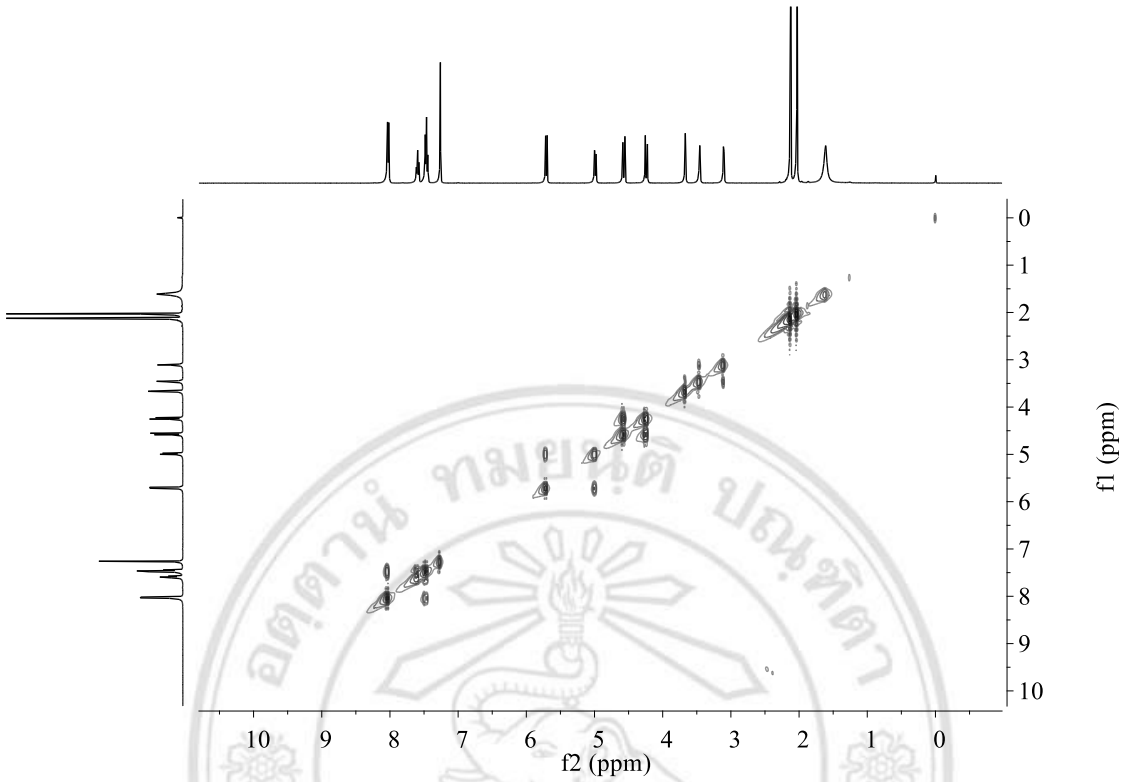


Figure A59 COSY Spectrum of (+)-Crotepoxide (**DY12**) in $CDCl_3$

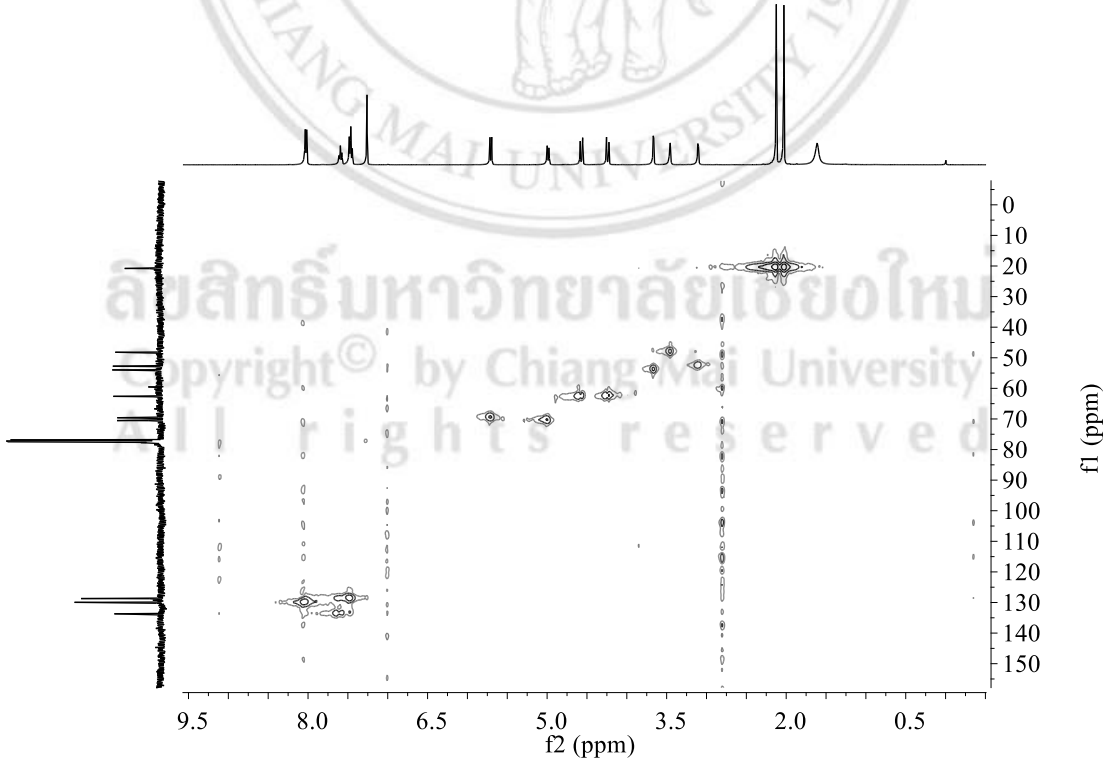


Figure A60 HMQC Spectrum of (+)-Crotepoxide (**DY12**) in $CDCl_3$

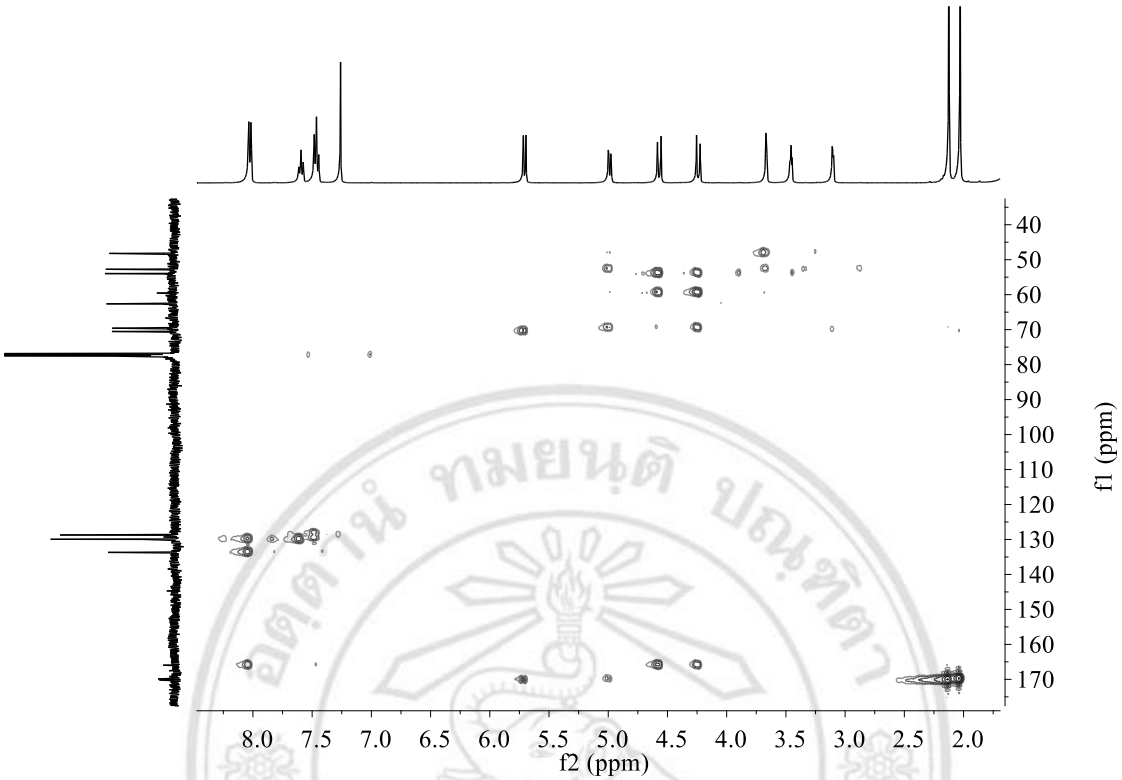


Figure A61 HMBC Spectrum of (+)-Crotepoxide (**DY12**) in $CDCl_3$

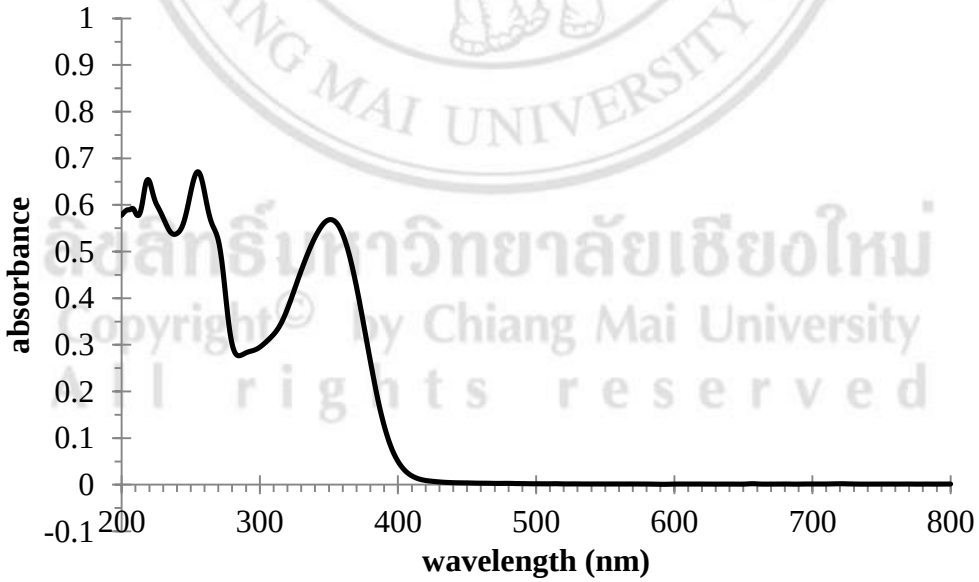


Figure A62 UV Spectrum of Corydaldine (**DY13**)

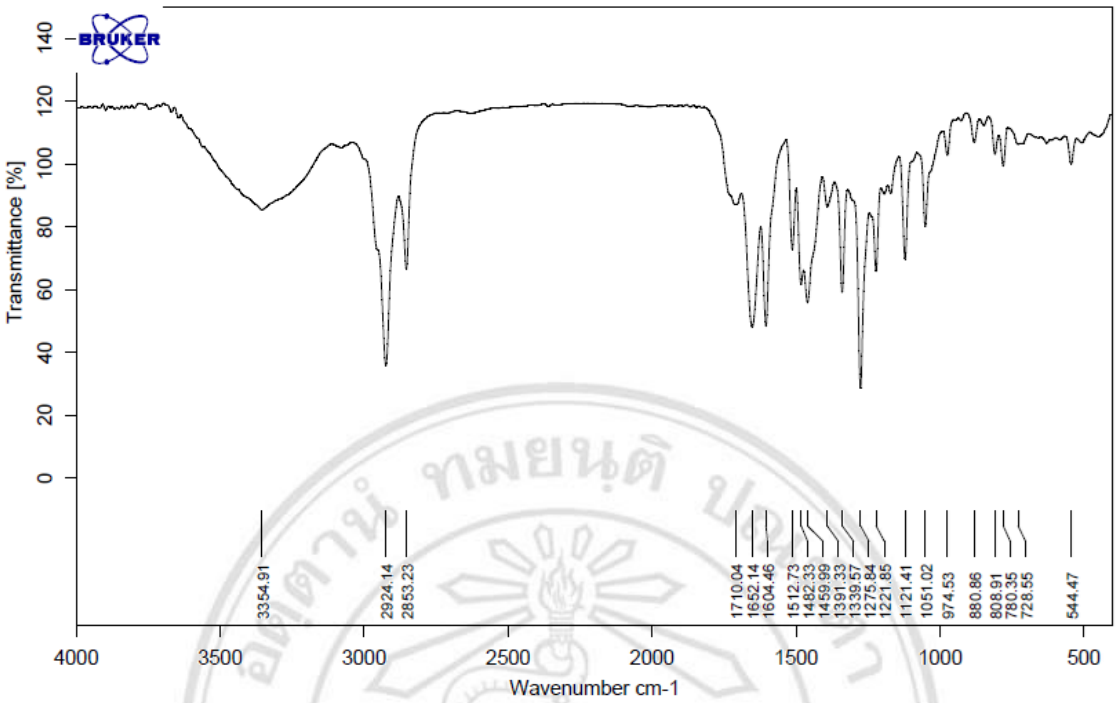


Figure A63 IR Spectrum of Corydaldine (**DY13**)

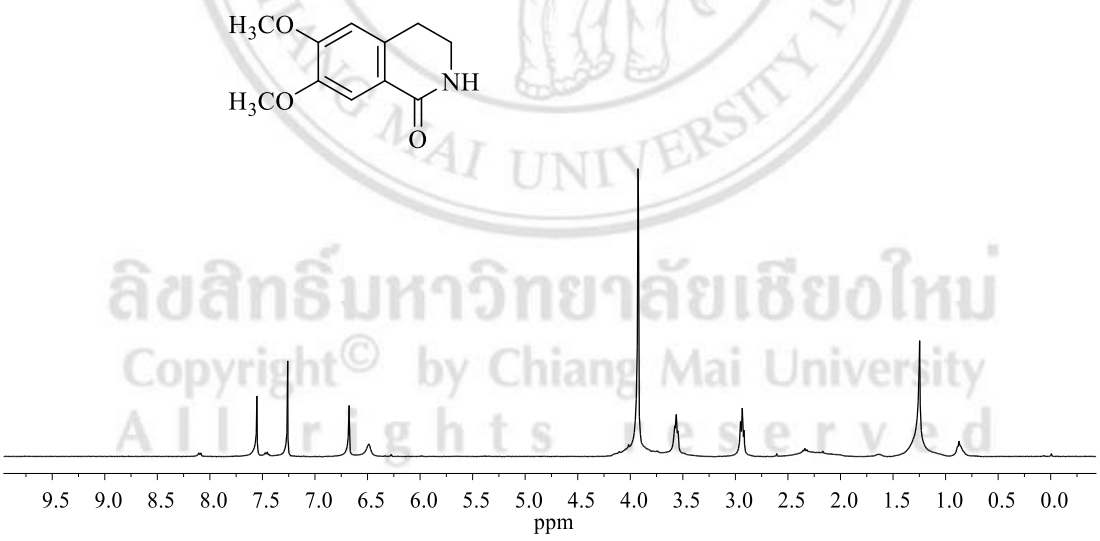


Figure A64 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of Corydaldine (**DY13**)

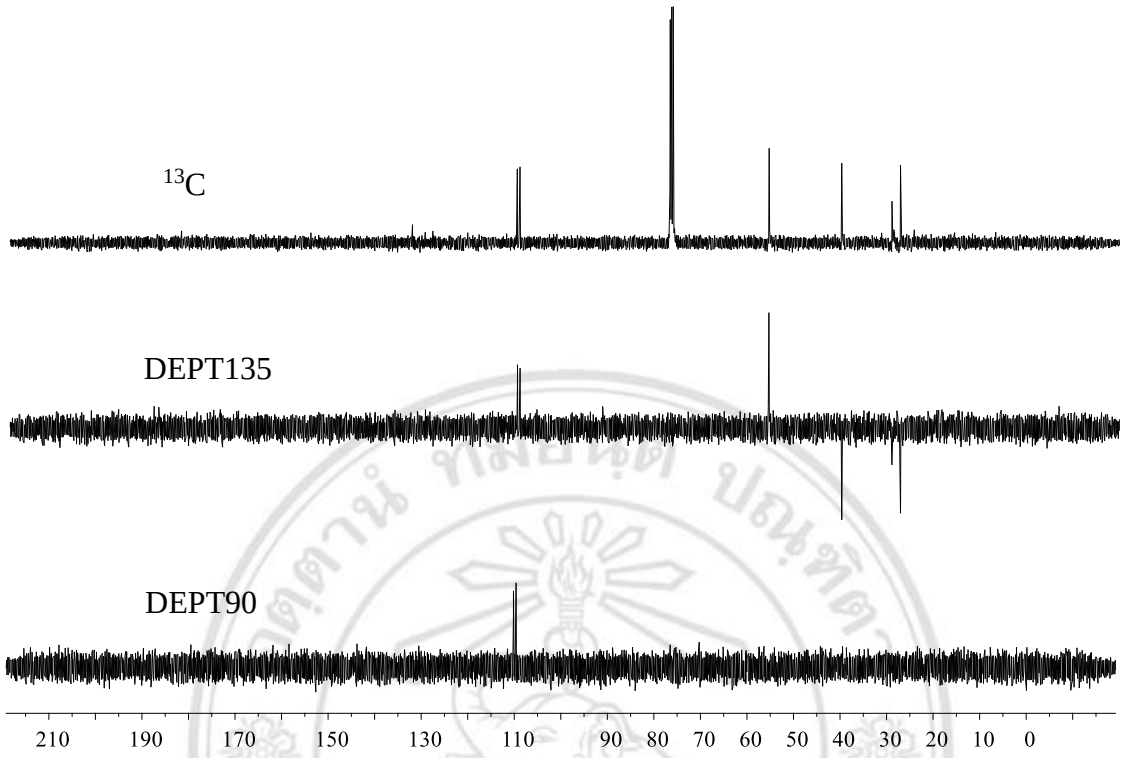


Figure A65 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of Corydaldine (**DY13**)

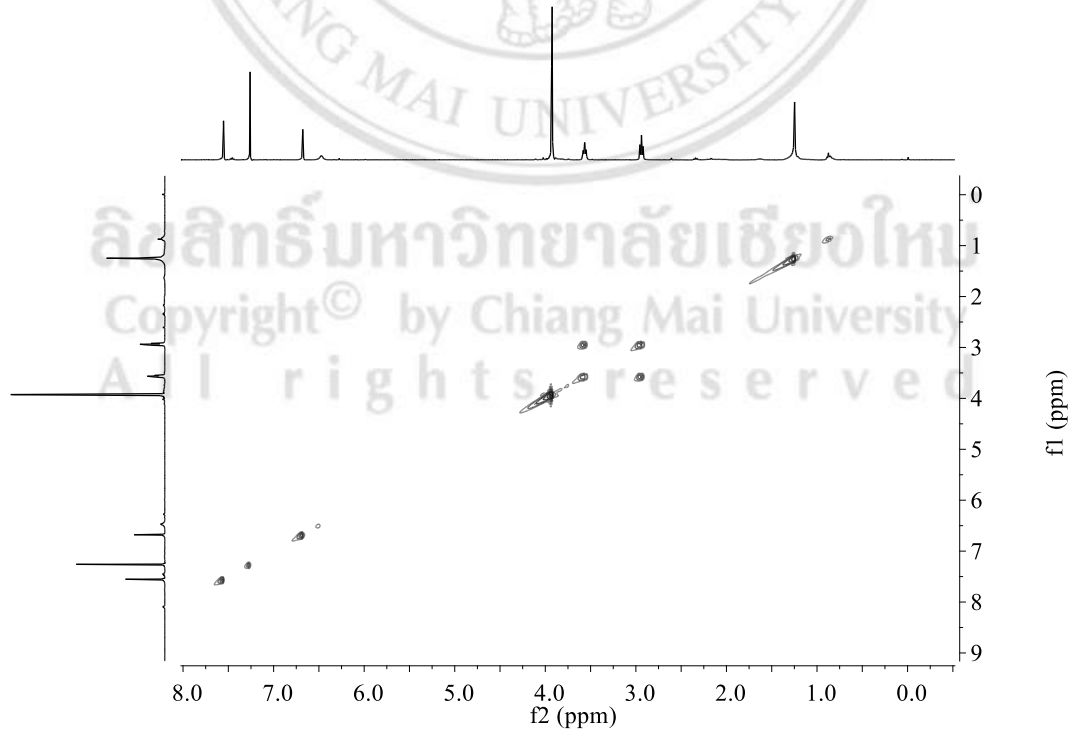


Figure A66 COSY Spectrum of Corydaldine (**DY13**) in $CDCl_3$

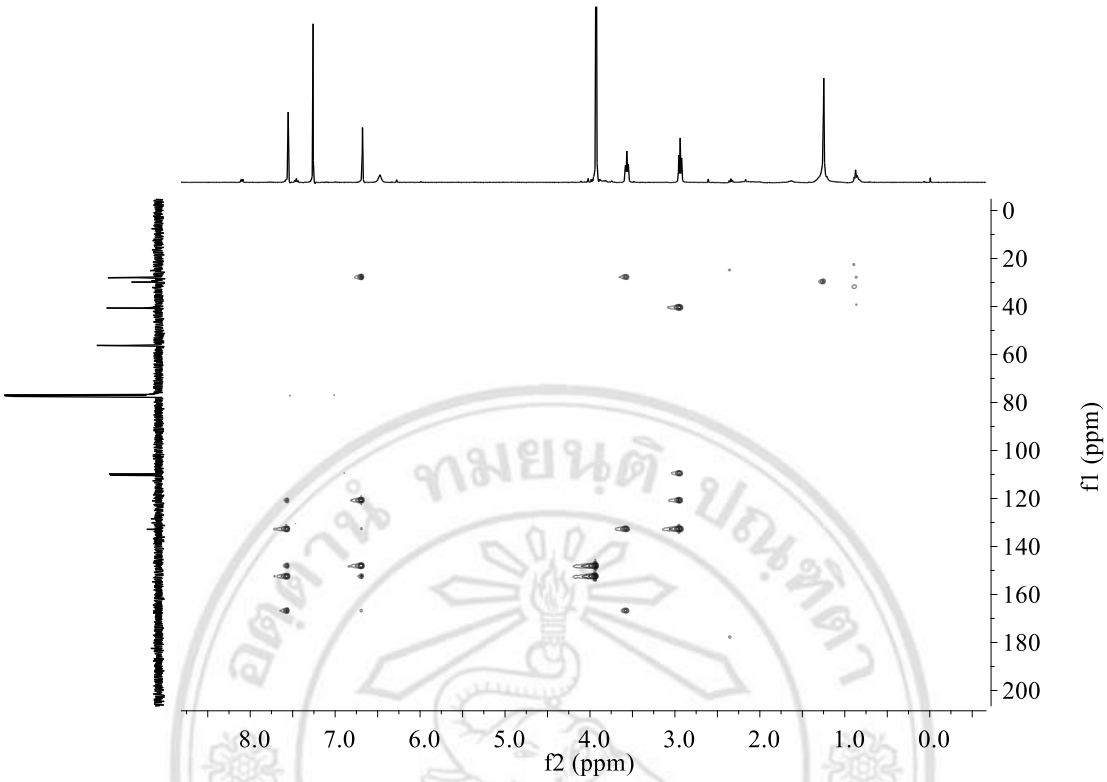


Figure A67 HMBC Spectrum of Corydaldine (**DY13**) in $CDCl_3$

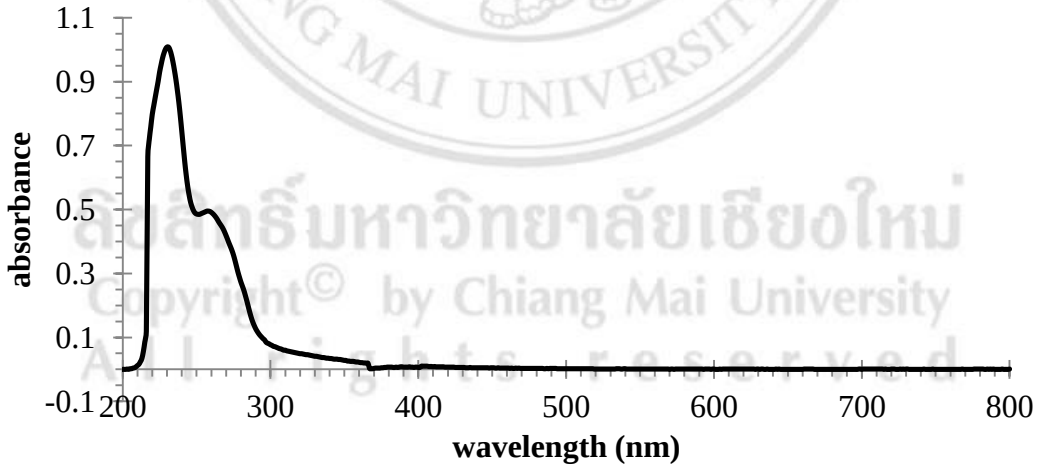


Figure A68 UV Spectrum of *trans*-5,6-Diacetoxy-1-(benzoyloxymethyl)-1,3-cyclo-hexadiene (**DY14**)

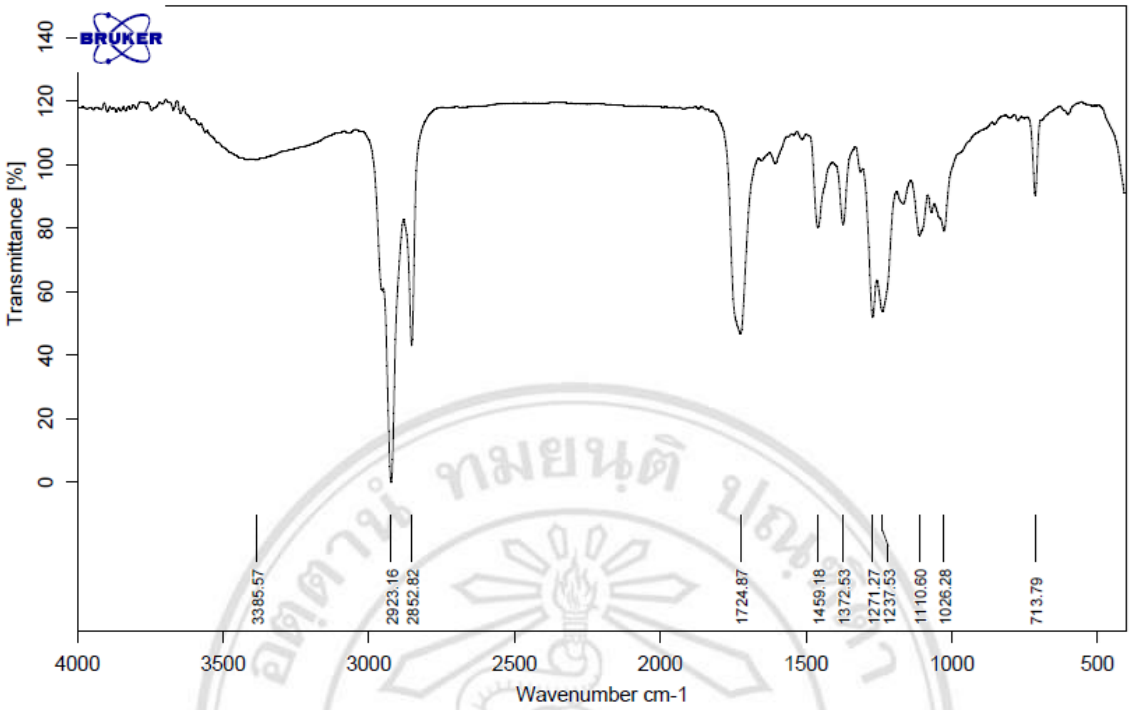


Figure A69 IR Spectrum of *trans*-5,6-Diacetoxy-1-(benzoyloxymethyl)-1,3-cyclohexadiene (**DY14**)

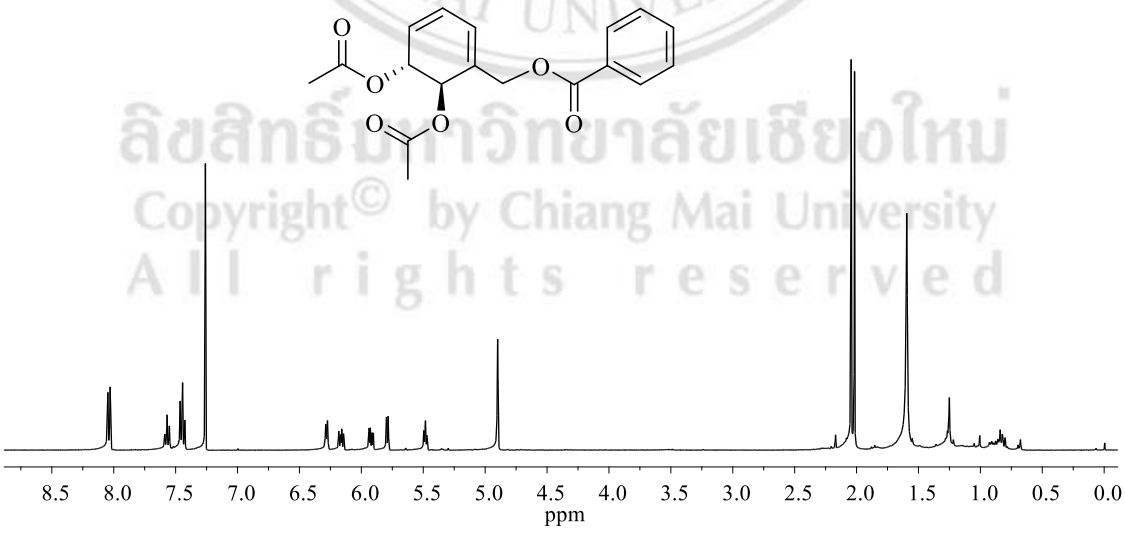


Figure A70 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of *trans*-5,6-Diacetoxy-1-(benzoyloxymethyl)-1,3-cyclohexadiene (**DY14**)

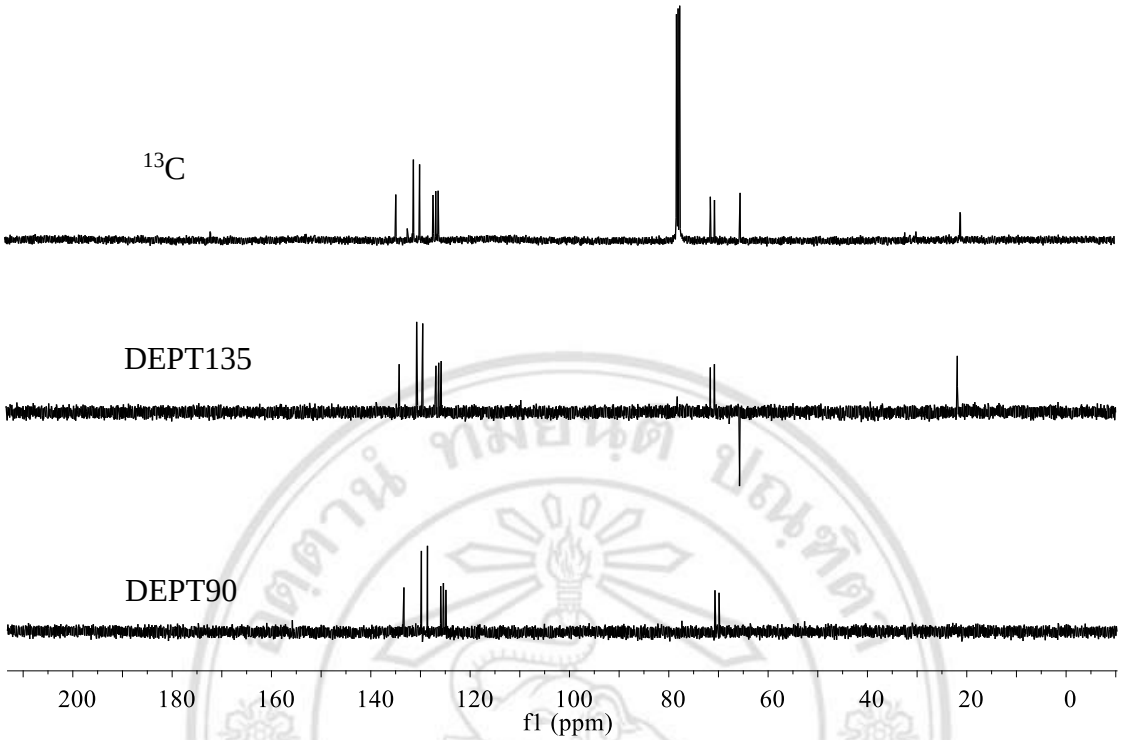


Figure A71 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of *trans*-5,6-Diacetoxy-1-(benzoyloxymethyl)-1,3-cyclohexadiene (**DY14**)

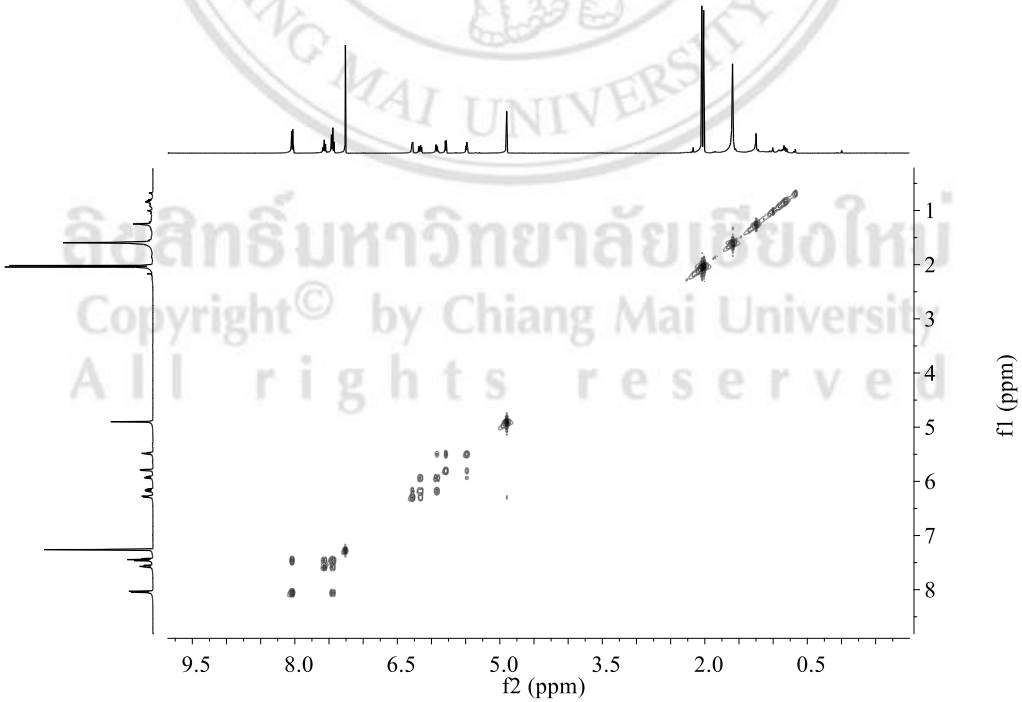


Figure A72 COSY Spectrum of *trans*-5,6-Diacetoxy-1-(benzoyloxymethyl)-1,3-cyclo-hexadiene (**DY14**) in $CDCl_3$

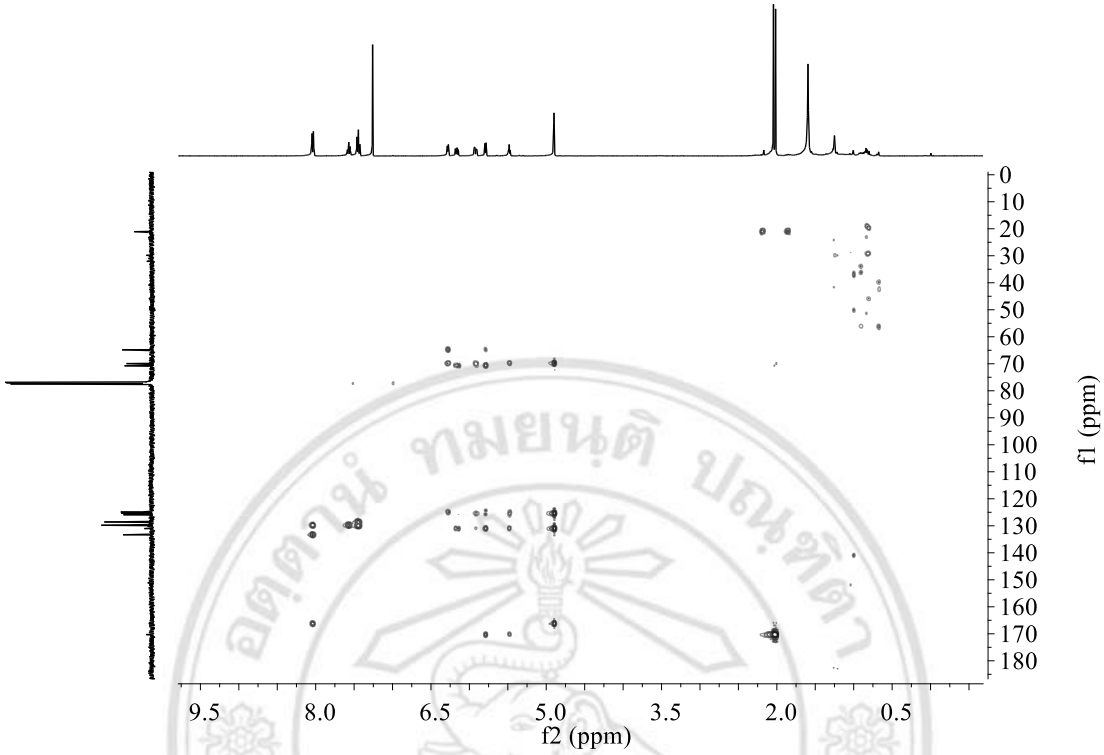


Figure A73 HMBC Spectrum of *trans*-5,6-Diacetoxy-1-(benzoyloxymethyl)-1,3-cyclo-hexadiene (**DY14**) in $CDCl_3$

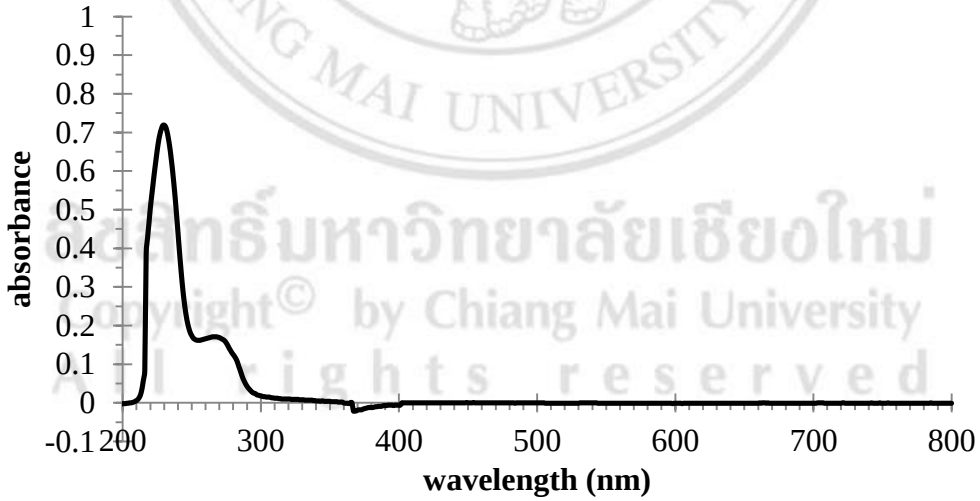


Figure A74 UV Spectrum of (–)-Desoxypipoxide (**DY15**)

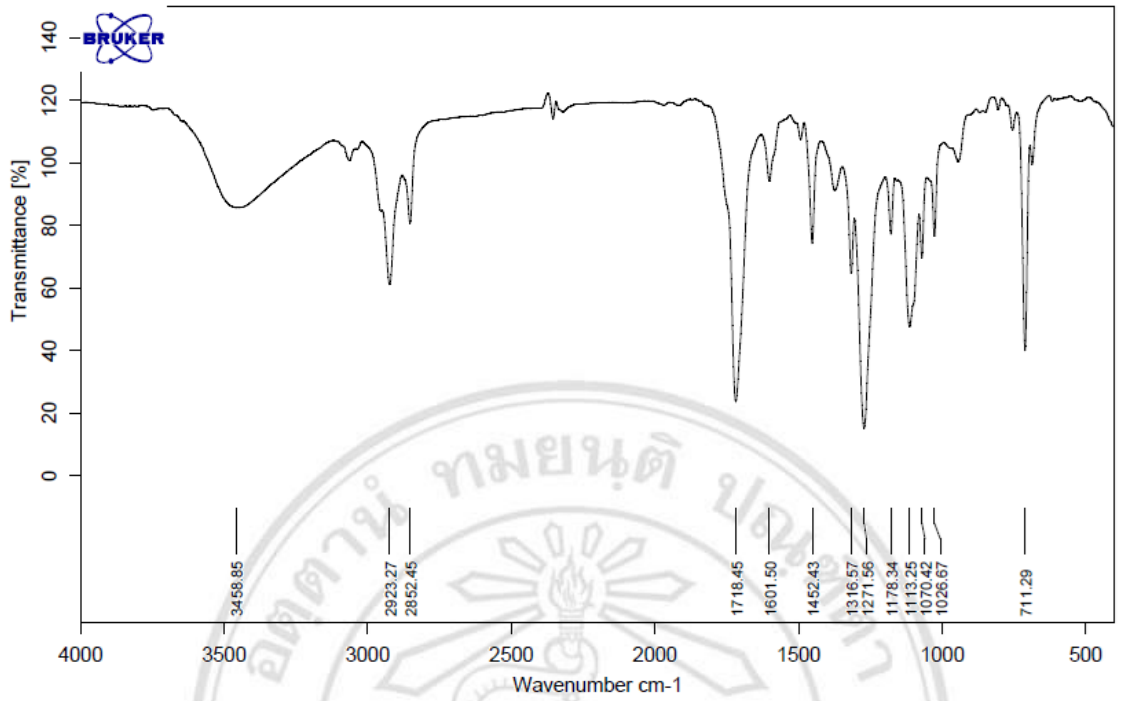


Figure A75 IR Spectrum of (–)-Desoxypipoxide (**DY15**)

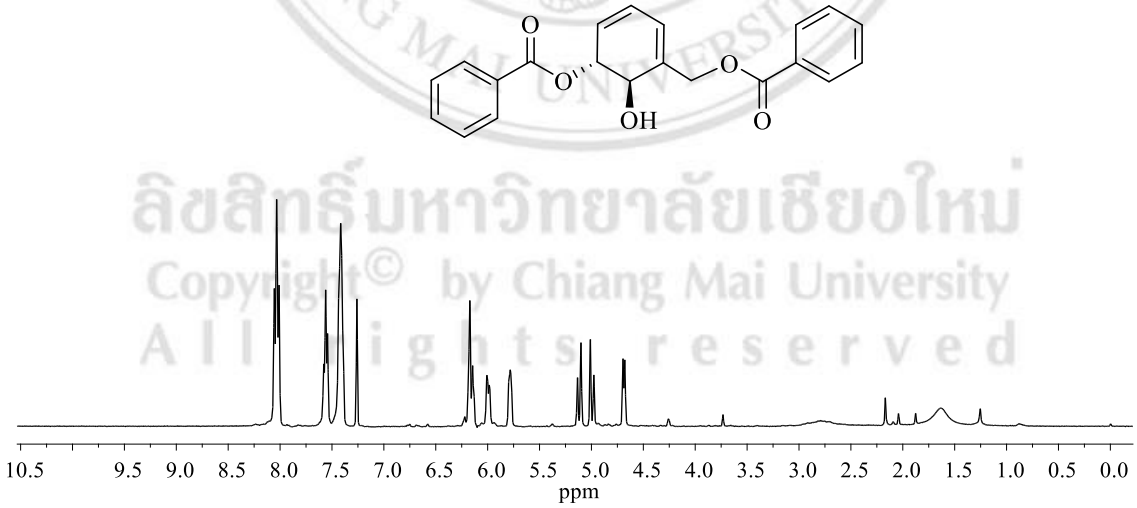


Figure A76 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of (–)-Desoxypipoxide (**DY15**)

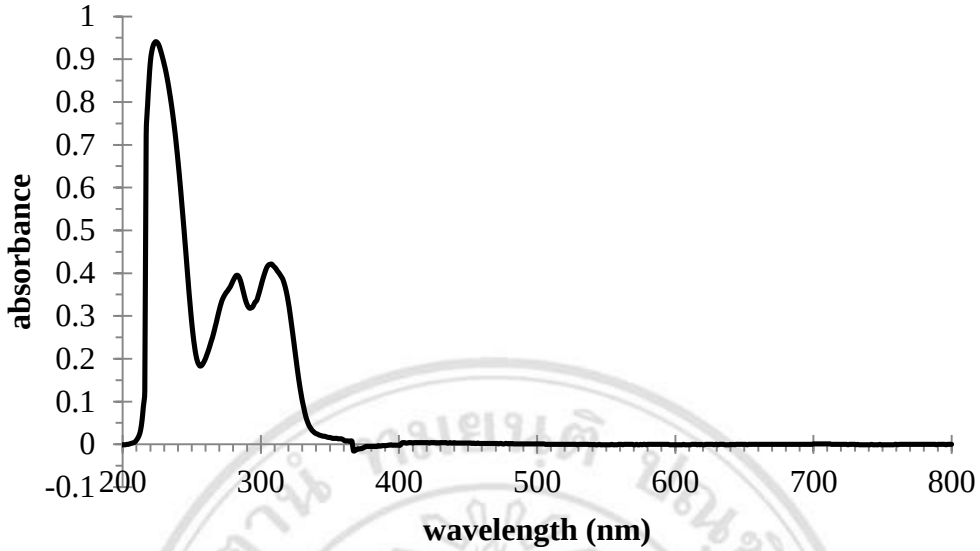


Figure A77 UV Spectrum of (–)-Arcabucoine (**DY16**)

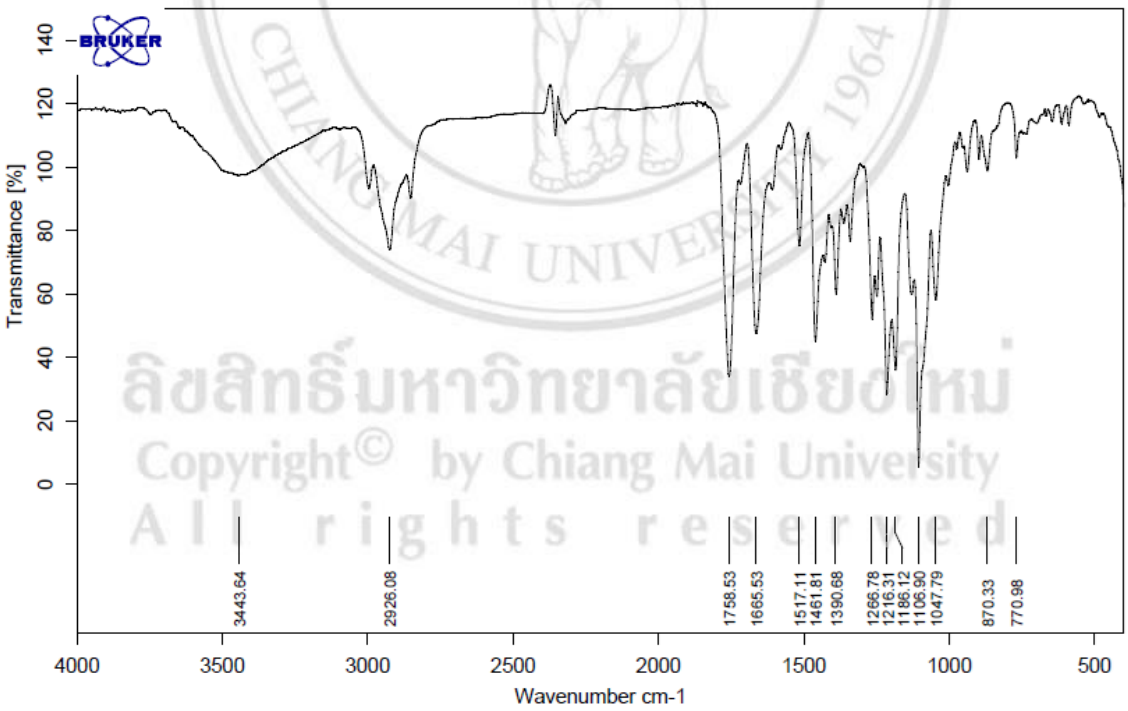


Figure A78 IR Spectrum of (–)-Arcabucoine (**DY16**)

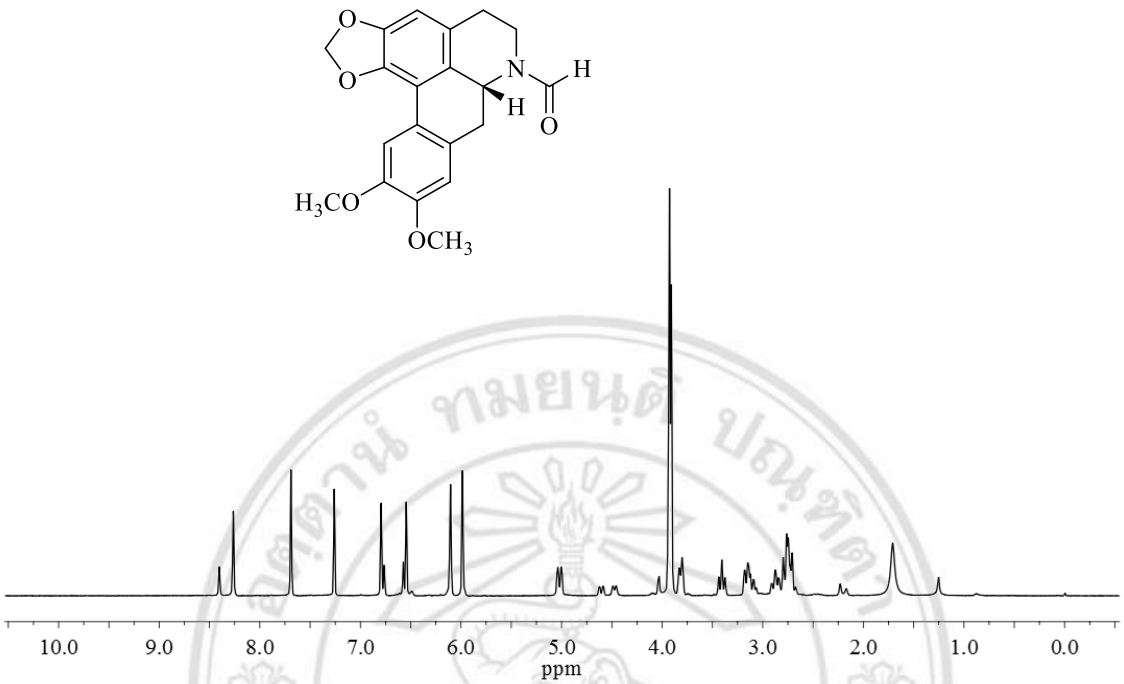


Figure A79 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of (−)-Arcabucoine (**DY16**)

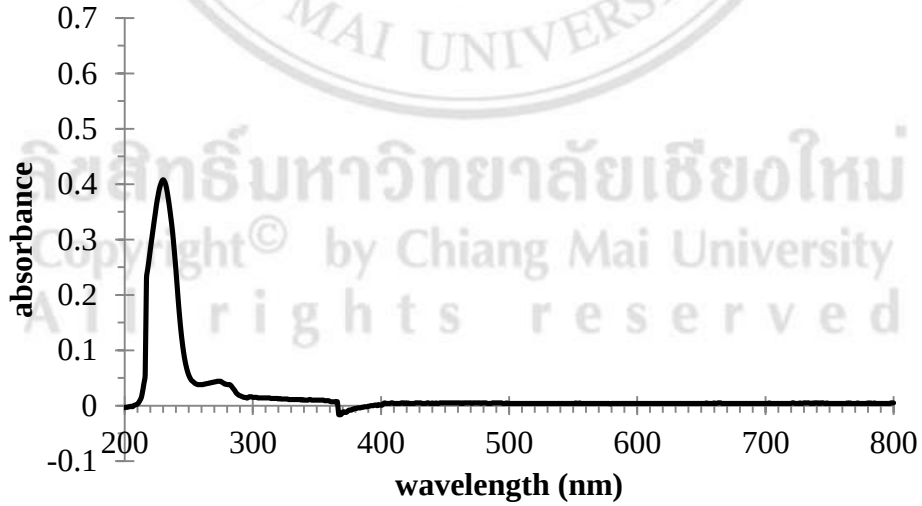


Figure A80 UV Spectrum of (+)-Senediol (**DY17**)

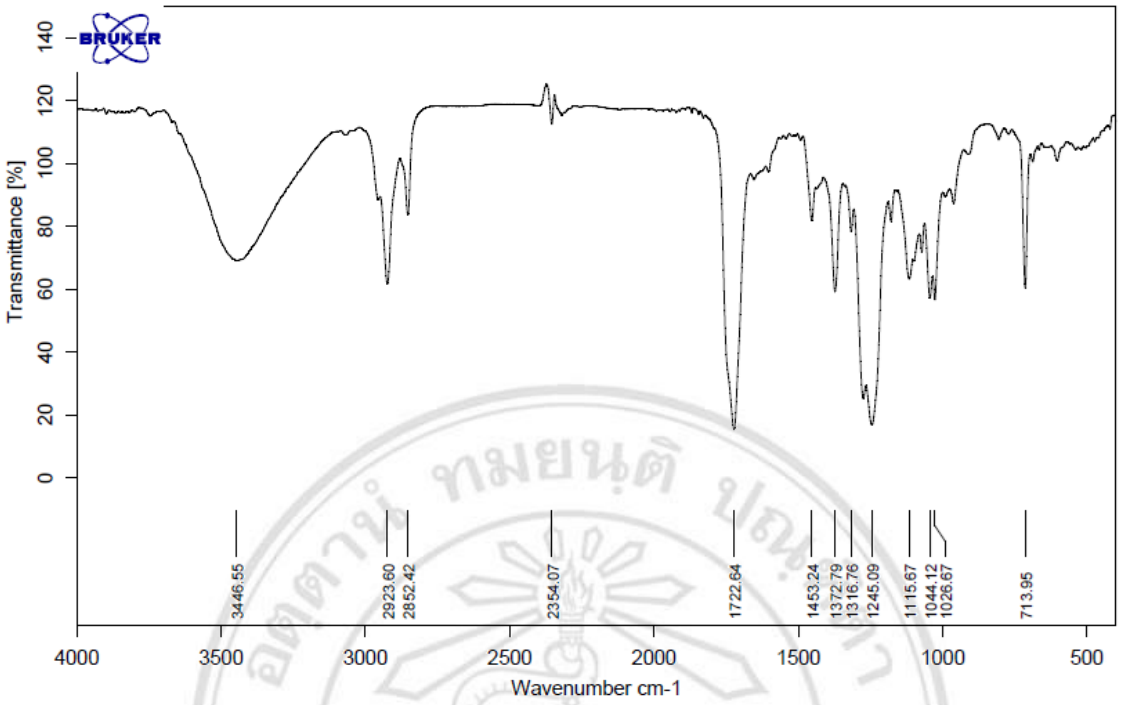


Figure A81 IR Spectrum of (+)-Senediol (**DY17**)

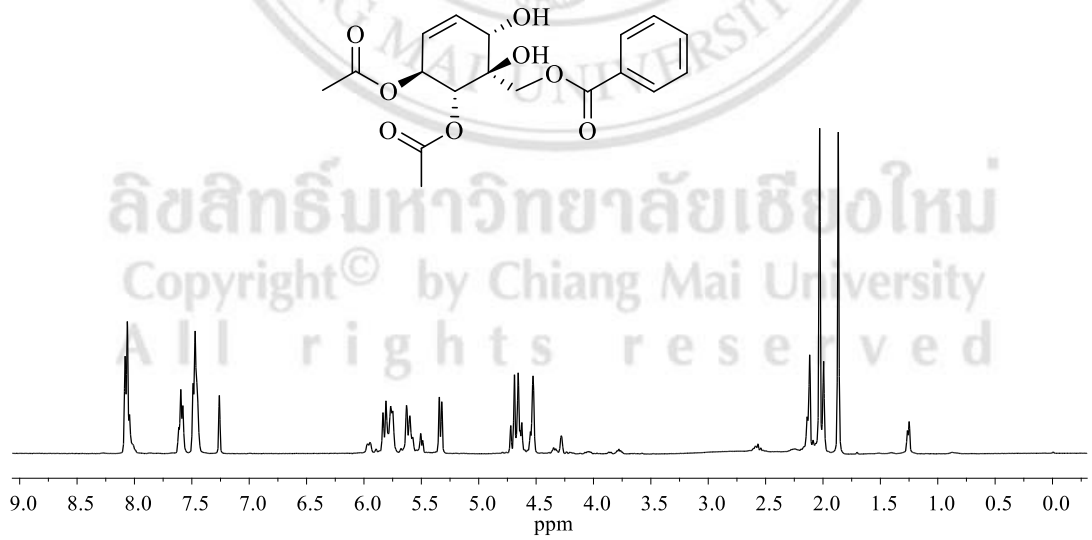


Figure A82 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of (+)-Senediol (**DY17**)

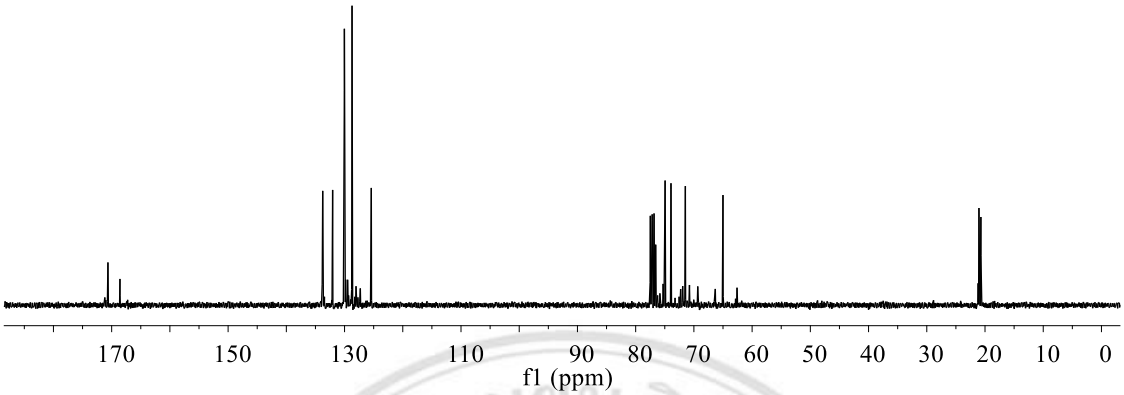


Figure A83 ^{13}C NMR Spectrum ($CDCl_3$, 100 MHz) of (+)-Senediol (**DY17**)

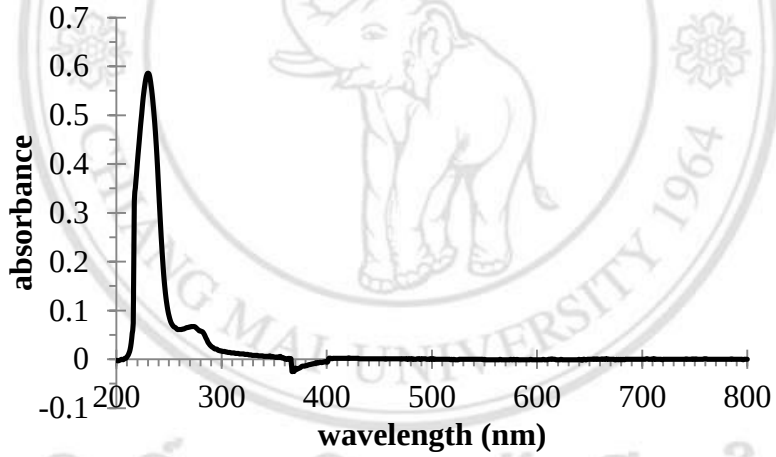


Figure A84 UV Spectrum of 1*S*,2*R*,3*R*,4*S*-2-[(Benzoyloxy)methyl]cyclohex-5-ene-1,2,3,4-tetrol-4-acetate (**DY18**)

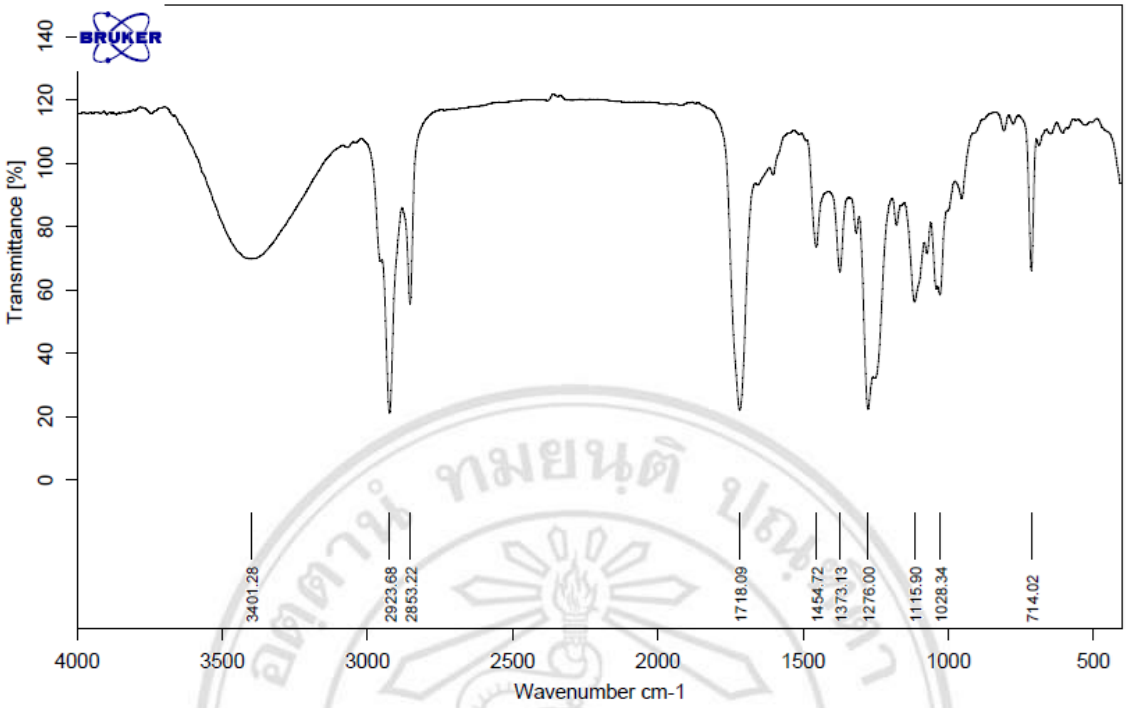


Figure A85 IR Spectrum of 1*S*,2*R*,3*R*,4*S*-2-[(Benzoyloxy)methyl]cyclohex-5-ene-1,2,3,4-tetrol-4-acetate (**DY18**)

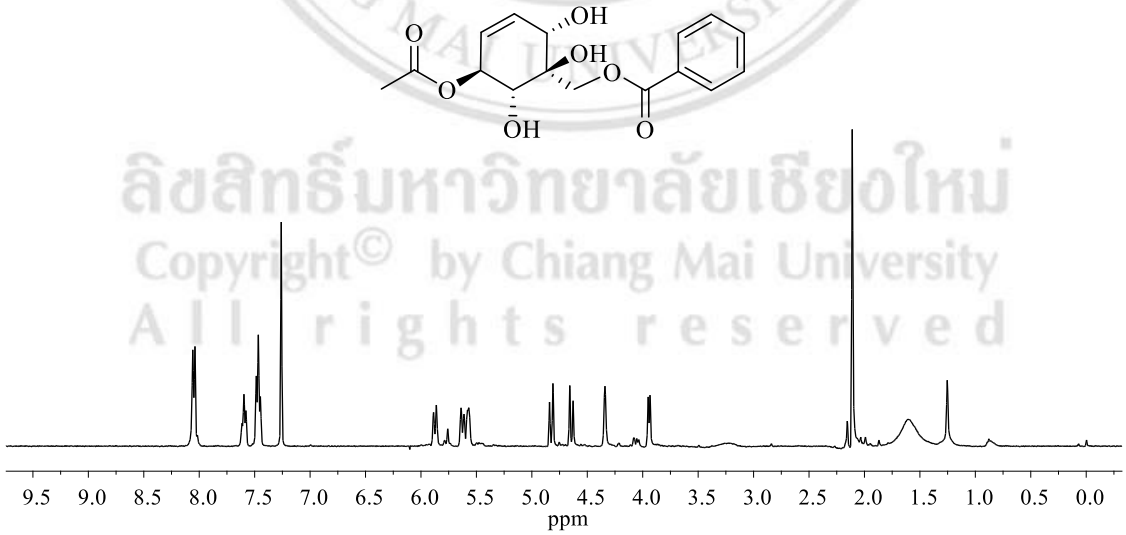


Figure A86 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of 1*S*,2*R*,3*R*,4*S*-2-[(Benzoyloxy)methyl]cyclohex-5-ene-1,2,3,4-tetrol-4-acetate (**DY18**)

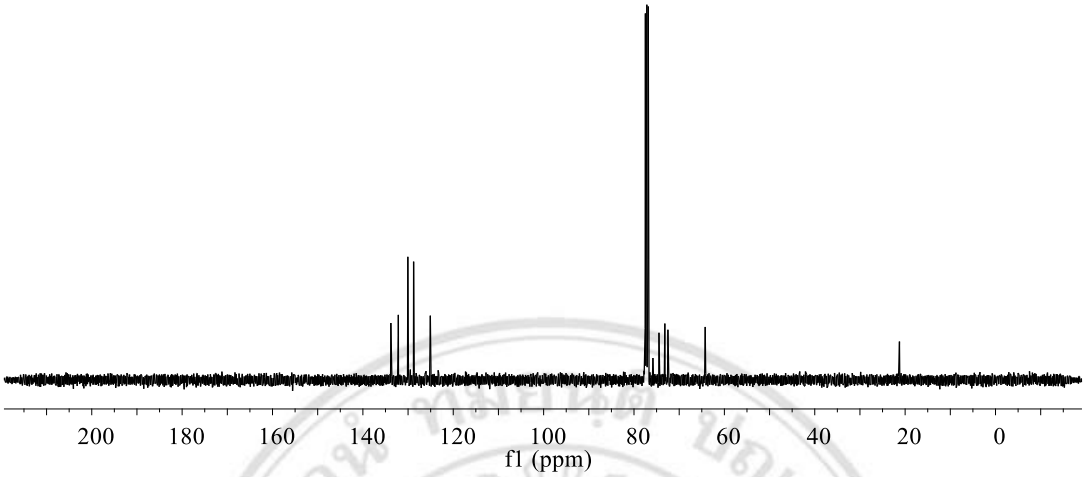


Figure A87 ^{13}C NMR Spectrum ($CDCl_3$, 100 MHz) of 1*S*,2*R*,3*R*,4*S*-2-[(Benzoyloxy)methyl]cyclohex-5-ene-1,2,3,4-tetrol-4-acetate (**DY18**)

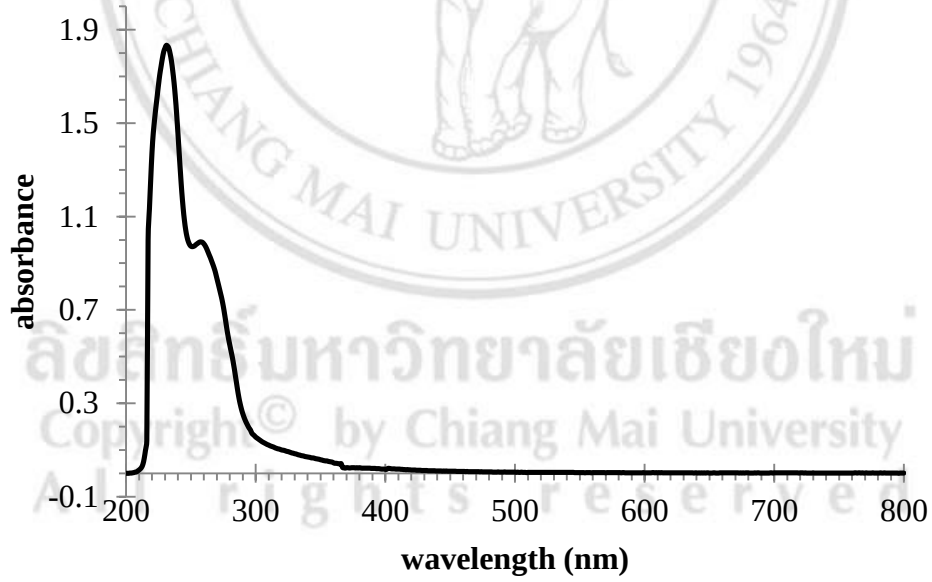


Figure A88 UV Spectrum of Uvaribonol G (**DY19**)

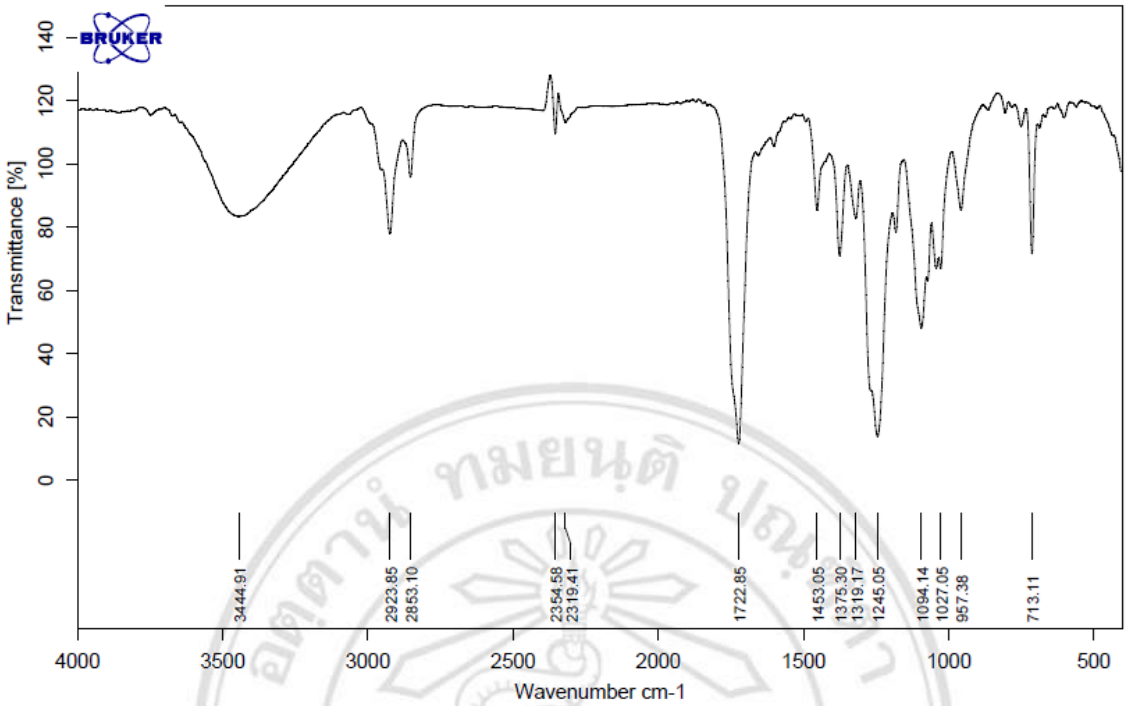


Figure A89 IR Spectrum of Uvaribonol G (**DY19**)

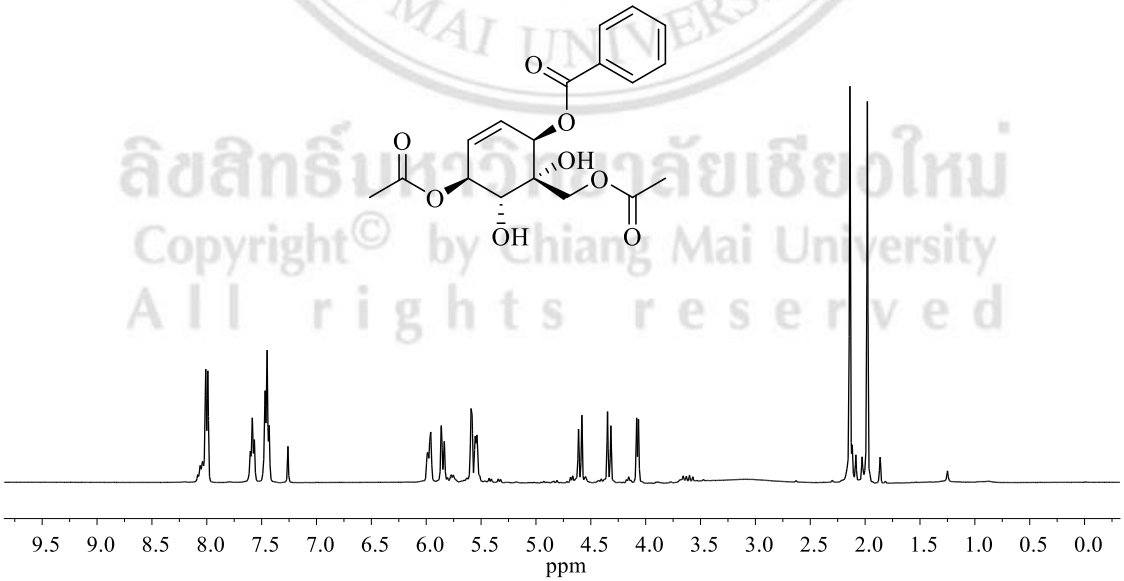


Figure A90 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of Uvaribonol G (**DY19**)

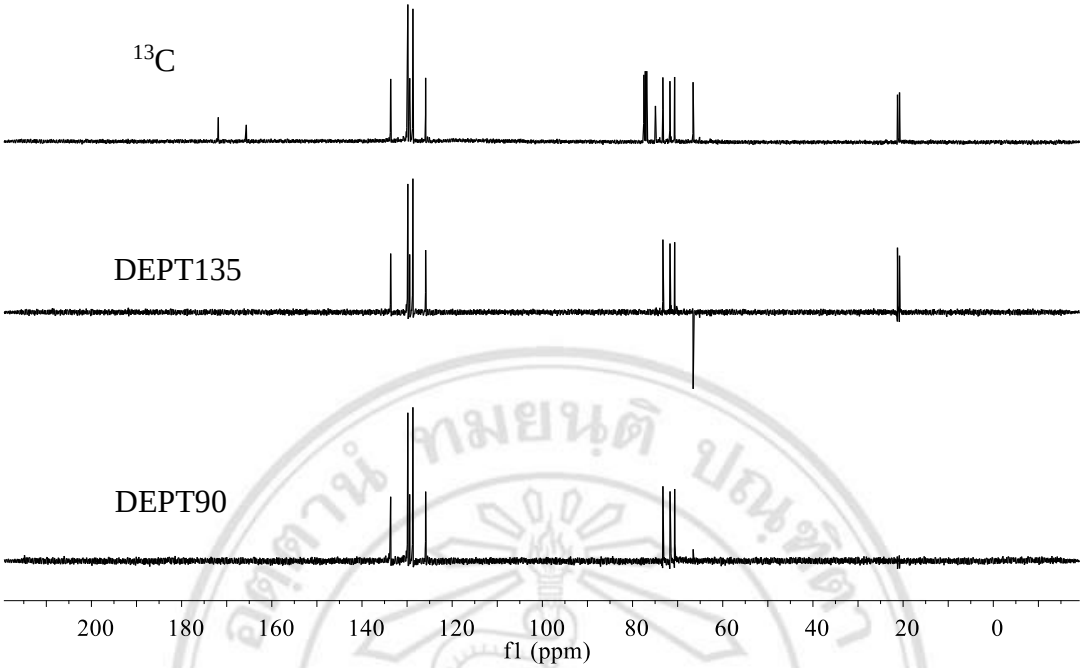


Figure A91 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of Uvaribonol G (**DY19**)

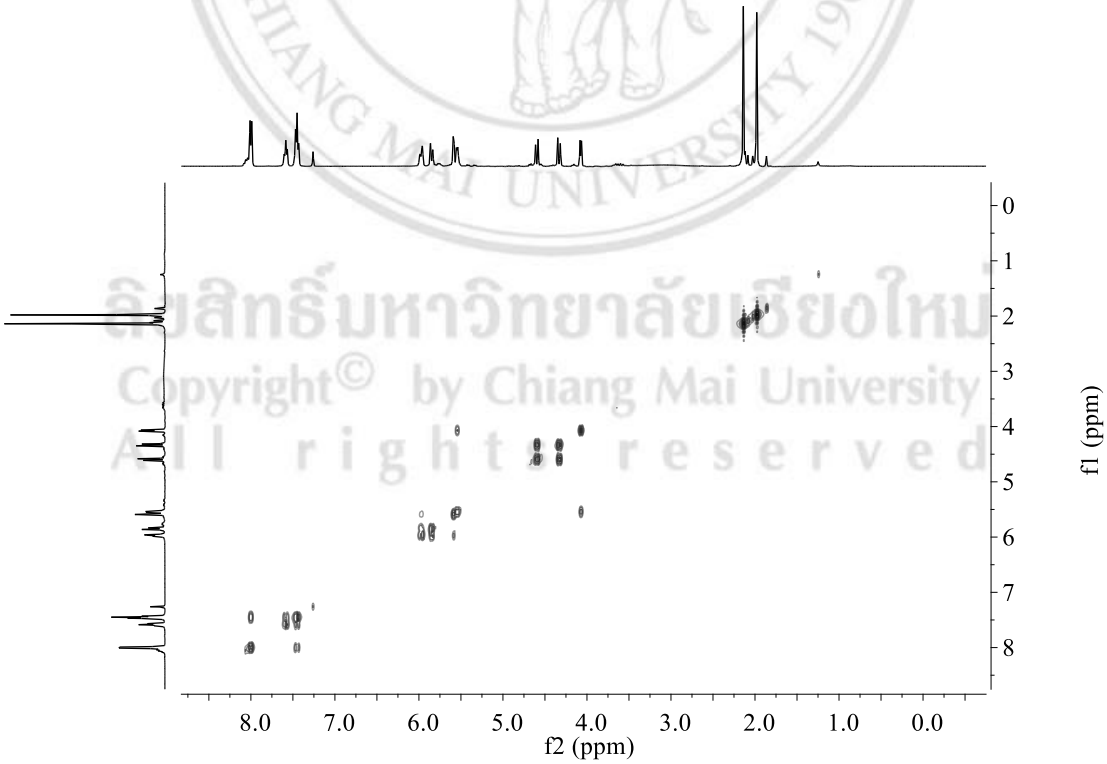


Figure A92 COSY Spectrum of Uvaribonol G (**DY19**) in $CDCl_3$

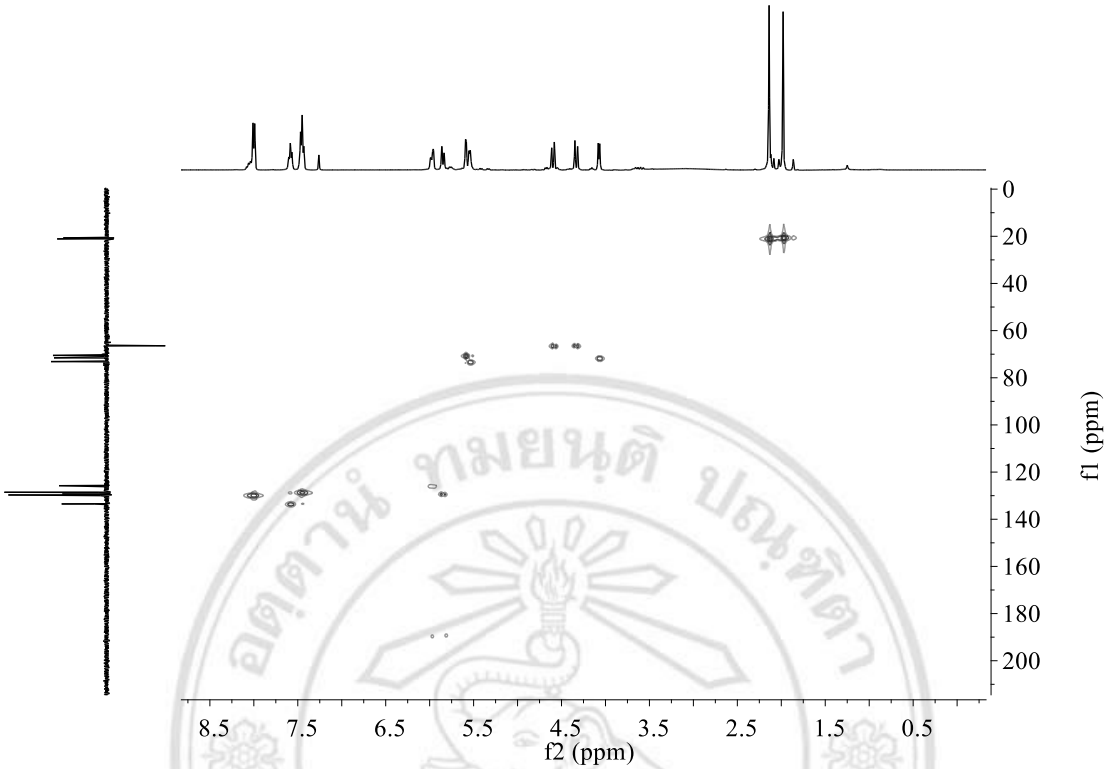


Figure A93 HMQC Spectrum of Uvaribonol G (**DY19**) in $CDCl_3$

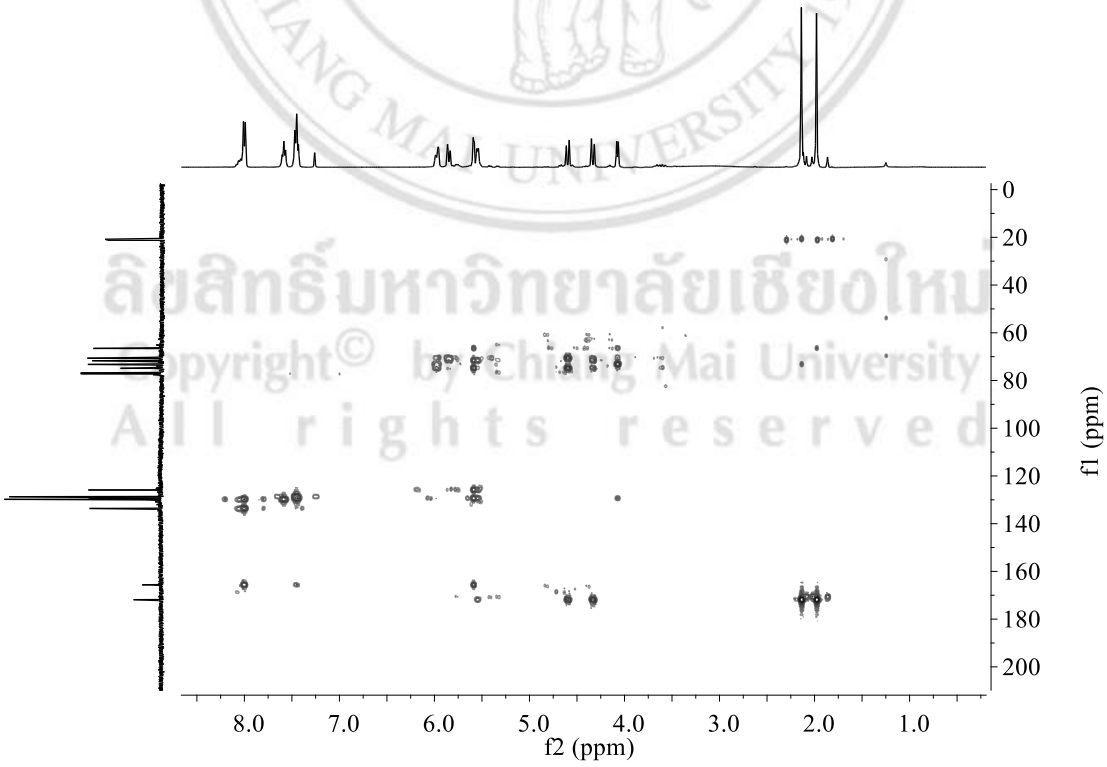


Figure A94 HMBC Spectrum of Uvaribonol G (**DY19**) in $CDCl_3$

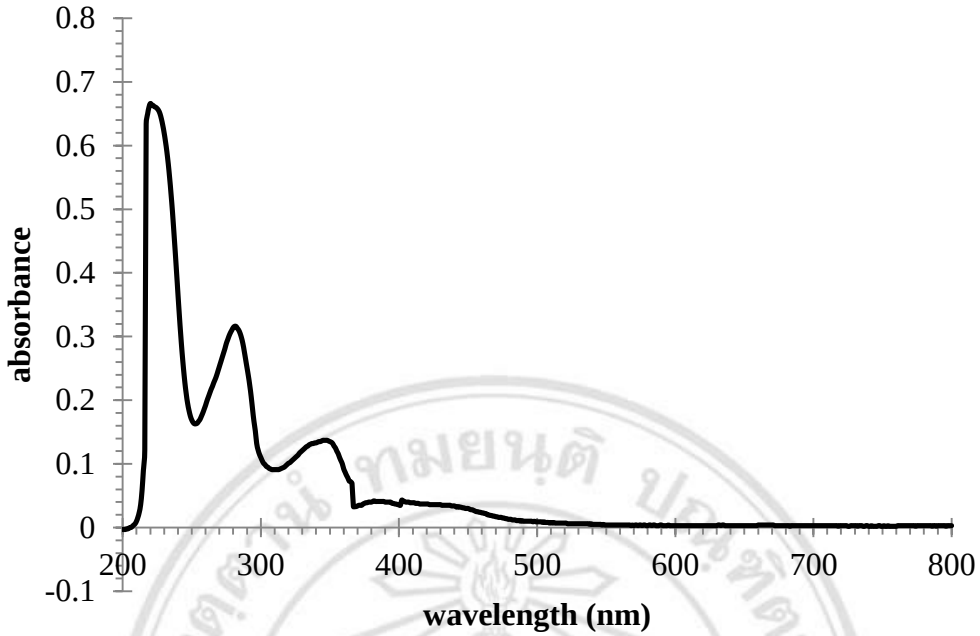


Figure A95 UV Spectrum of (–)-Corydalmine (**DY20**)

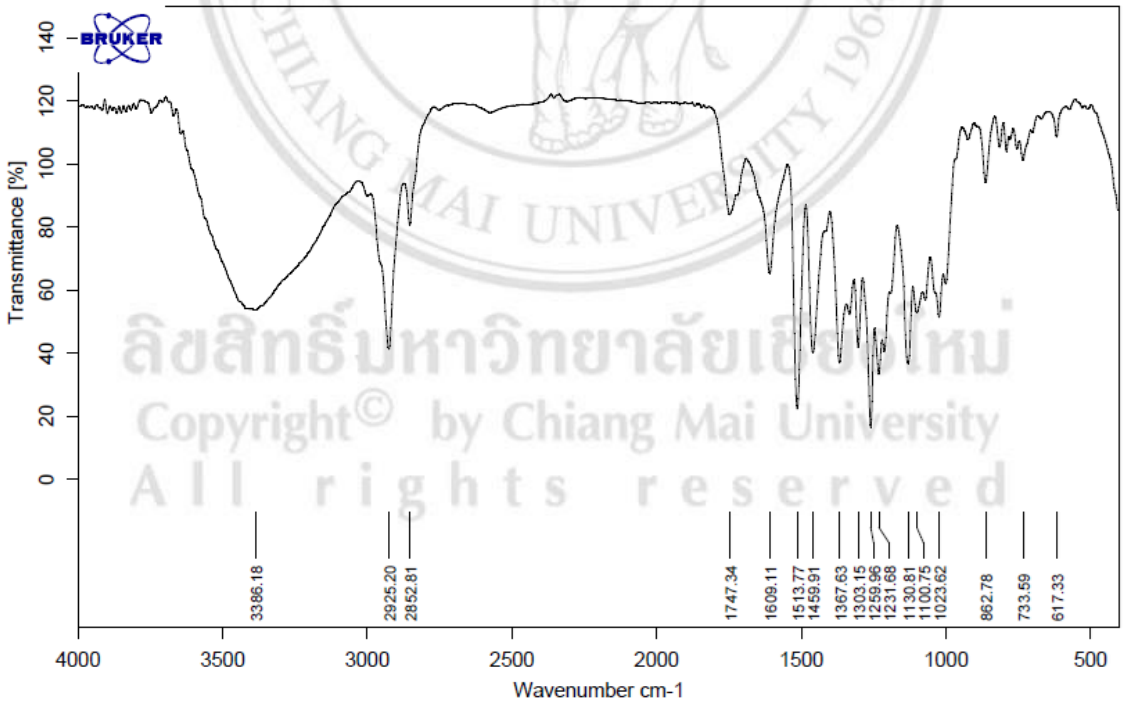


Figure A96 IR Spectrum of (–)-Corydalmine (**DY20**)

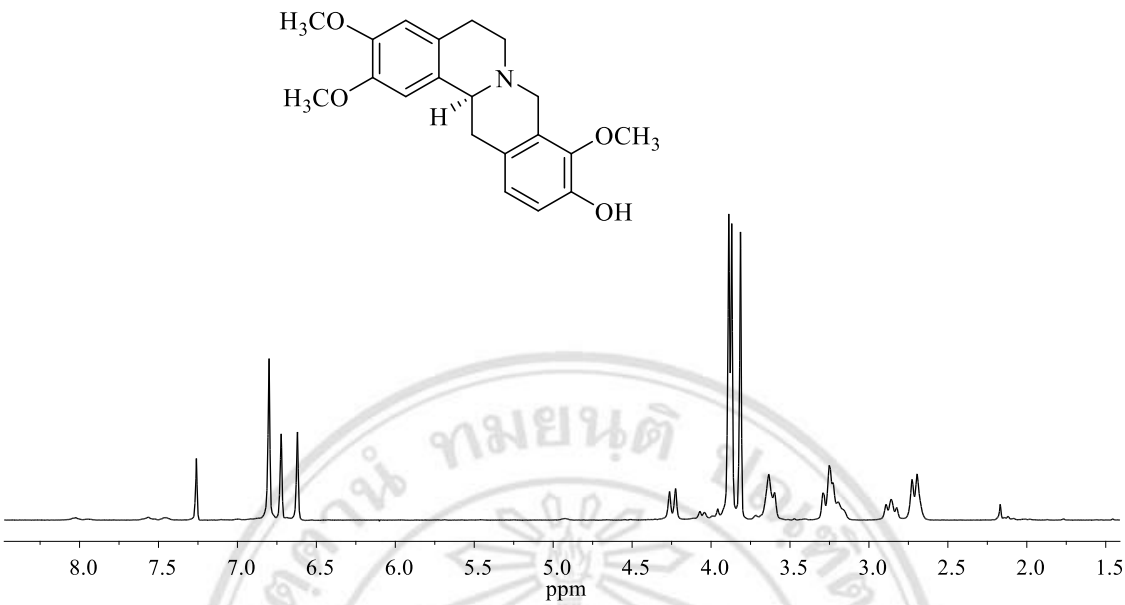


Figure A97 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of (−)-Corydalmine (**DY20**)

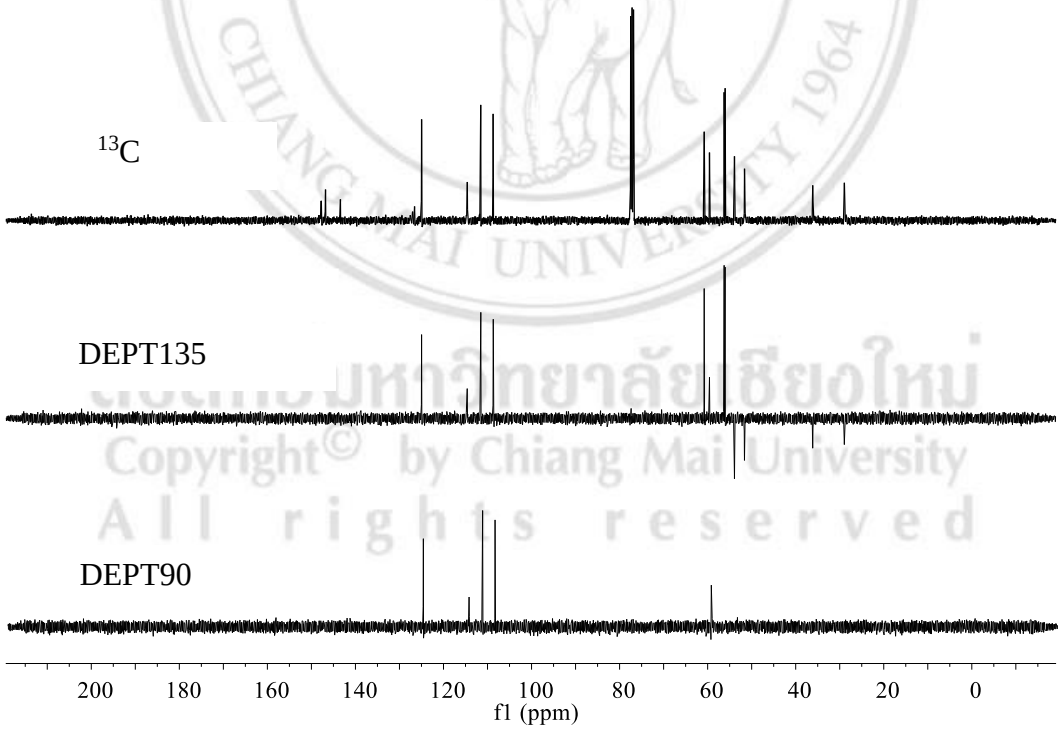


Figure A98 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of (−)-Corydalmine (**DY20**)

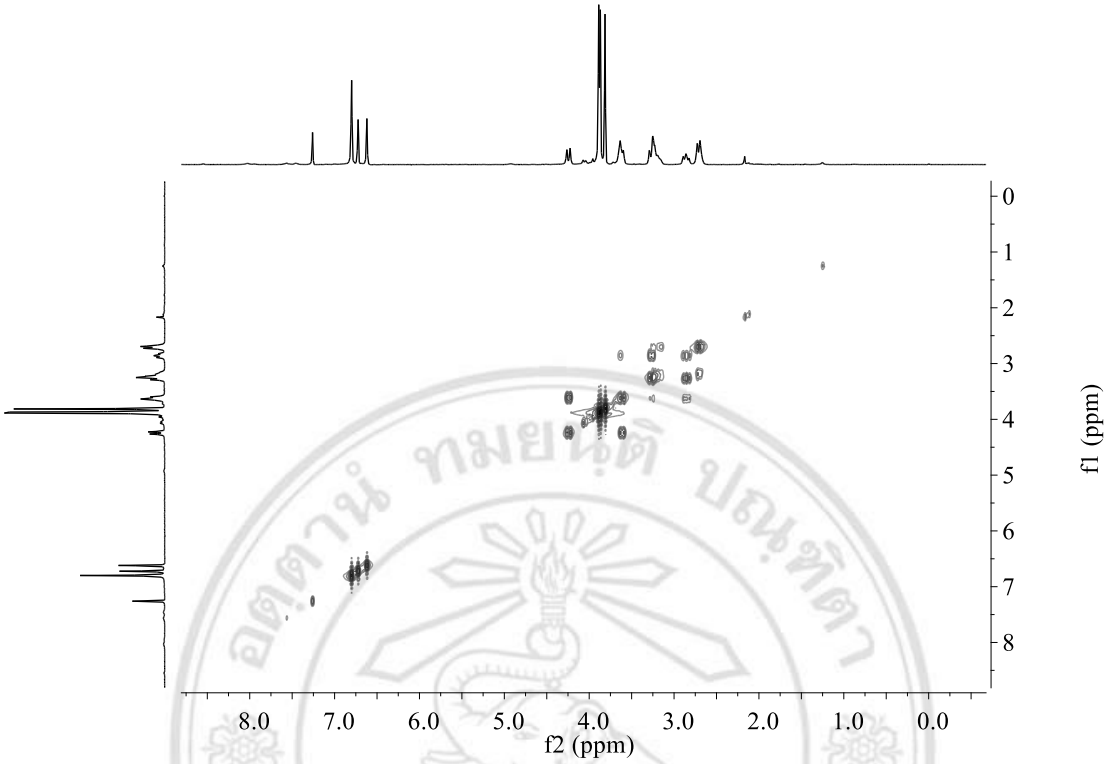


Figure A99 COSY Spectrum of (–)-Corydalmine (**DY20**) in $CDCl_3$

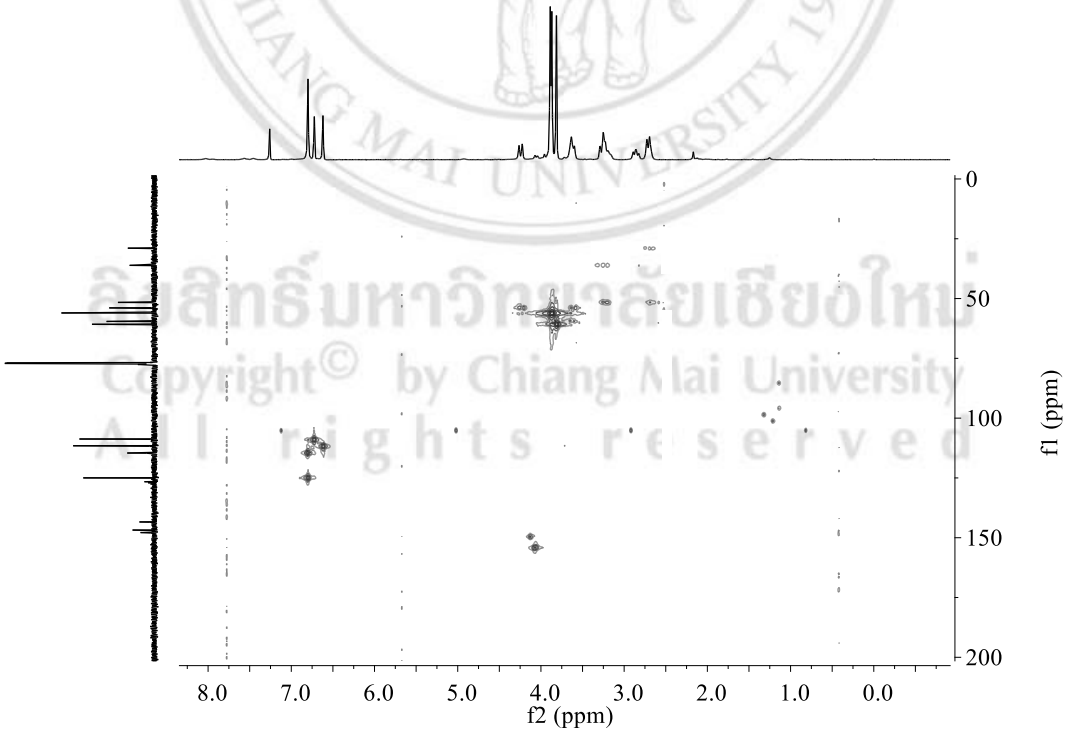


Figure A100 HMQC Spectrum of (–)-Corydalmine (**DY20**) in $CDCl_3$

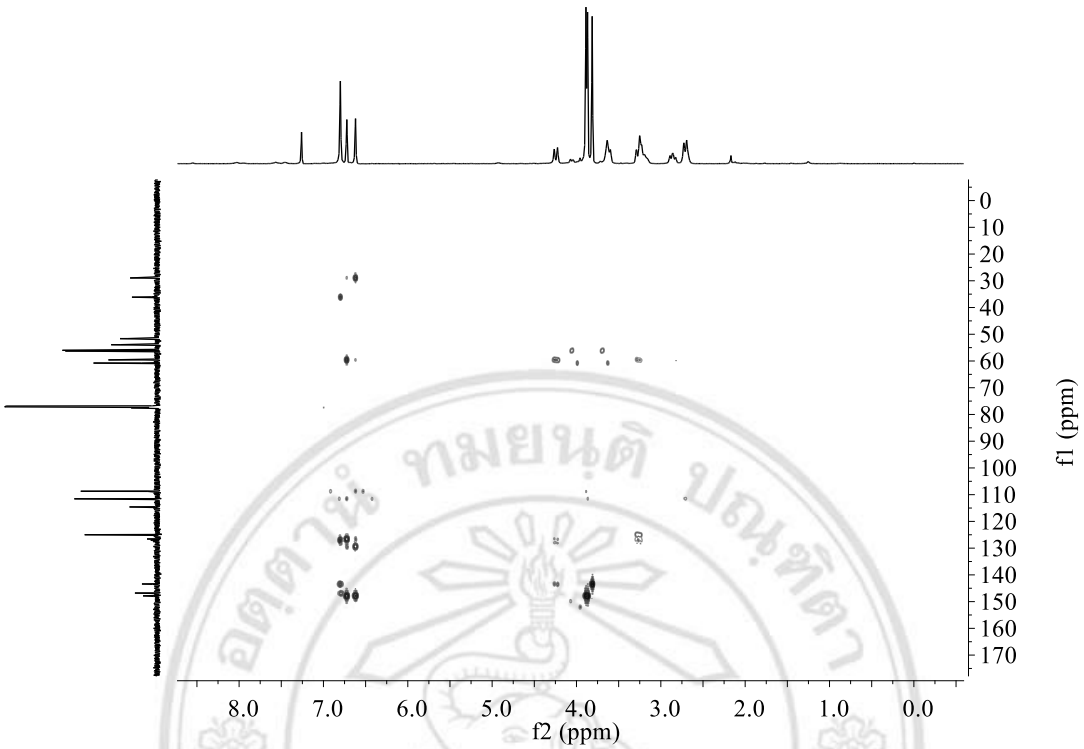


Figure A101 HMBC Spectrum of (–)-Corydalmine (**DY20**) in $CDCl_3$

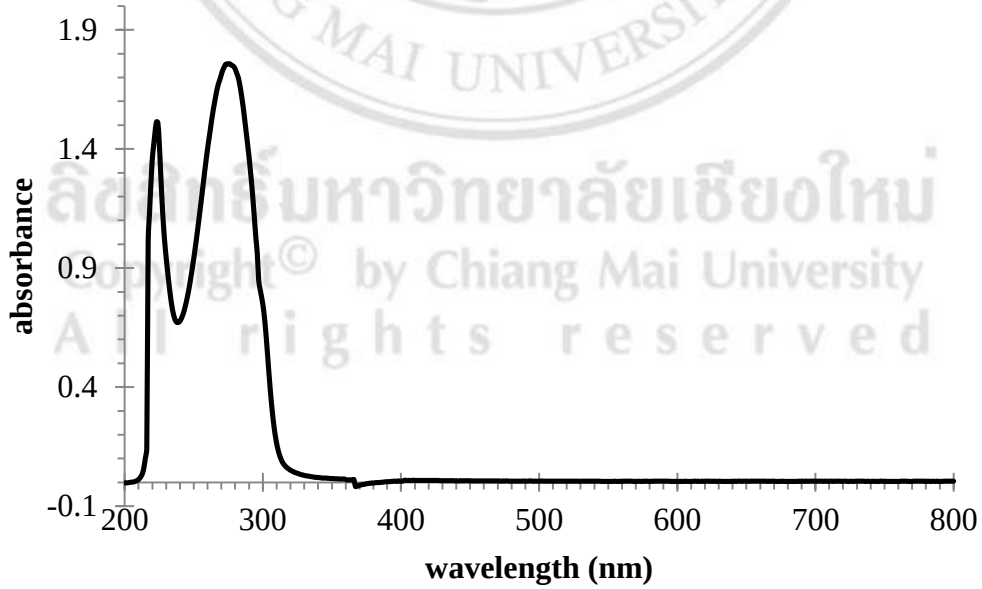


Figure A102 UV Spectrum of *trans*-*N*-Cinnamoyltyramine (**DY21**)

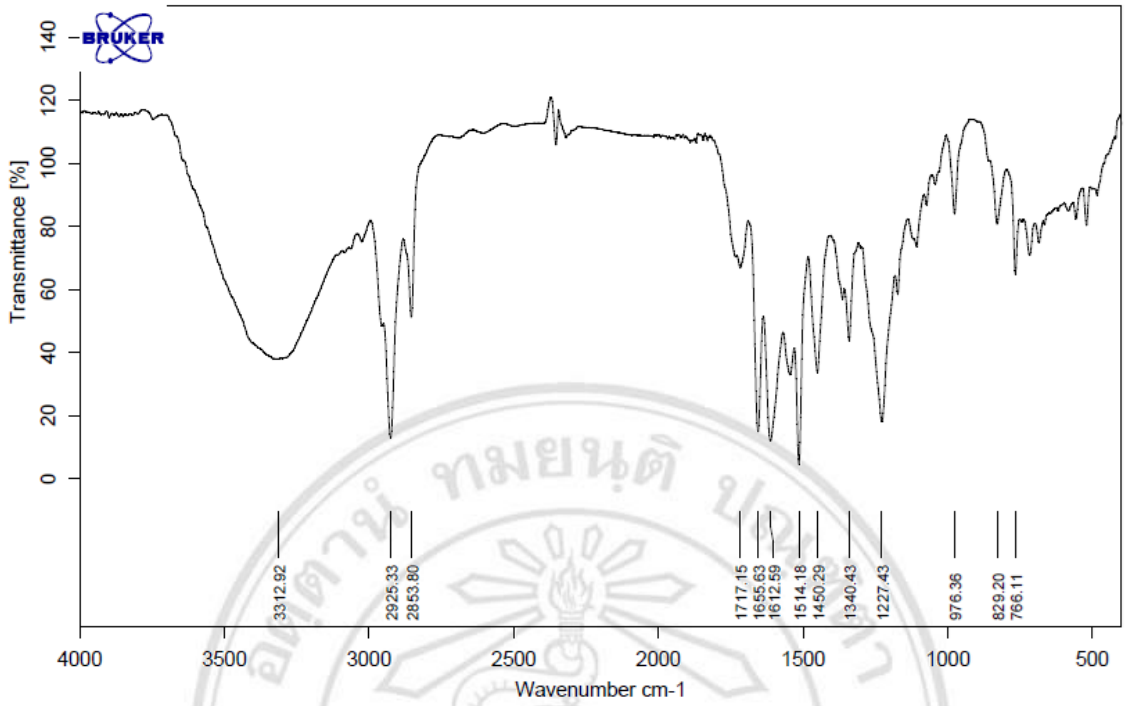


Figure A103 IR Spectrum of *trans*-*N*-Cinnamoyltyramine (**DY21**)

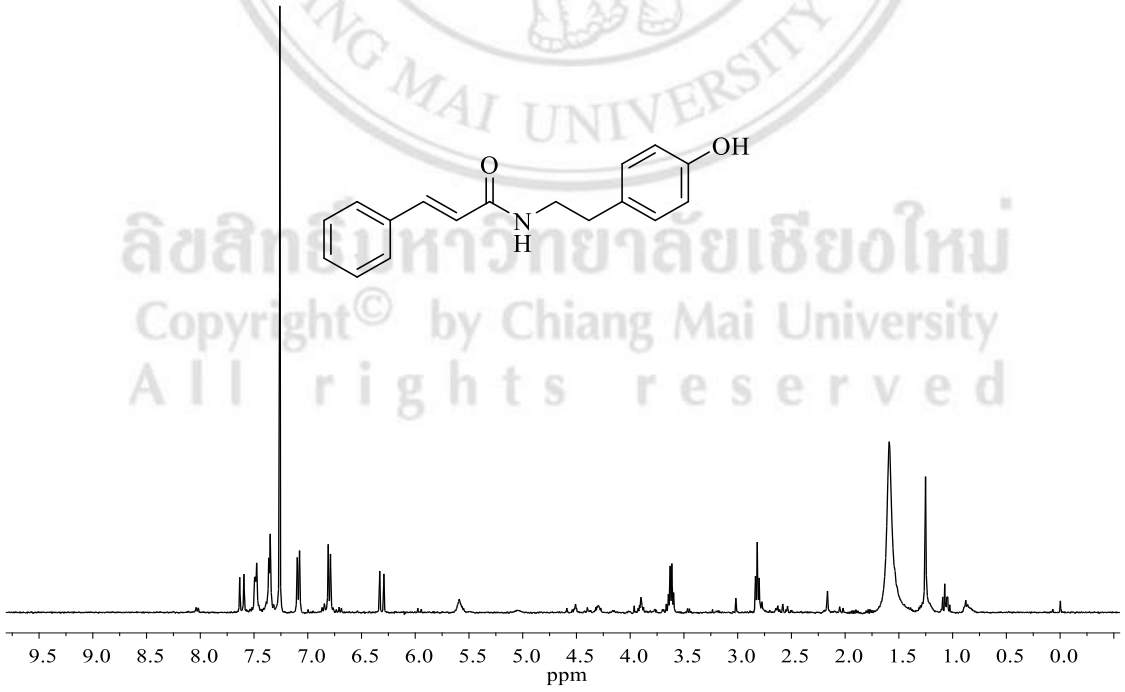


Figure A104 ^{1}H NMR Spectrum (acetone-d_6, 400 MHz) of *trans*-*N*-Cinnamoyltyramine (**DY21**)

APPENDIX B

Spectroscopic Data of Isolated Compounds from *M. cuneata*

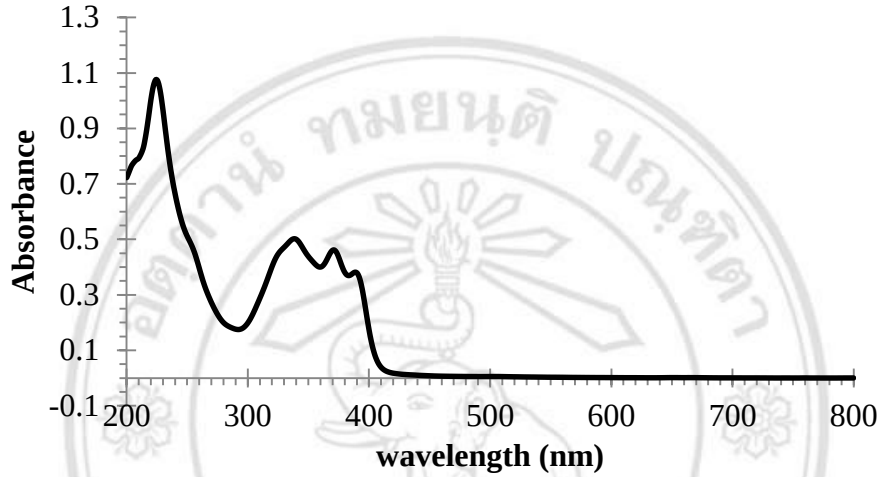


Figure B1 UV Spectrum of Miliusacunine A (**MC1**)

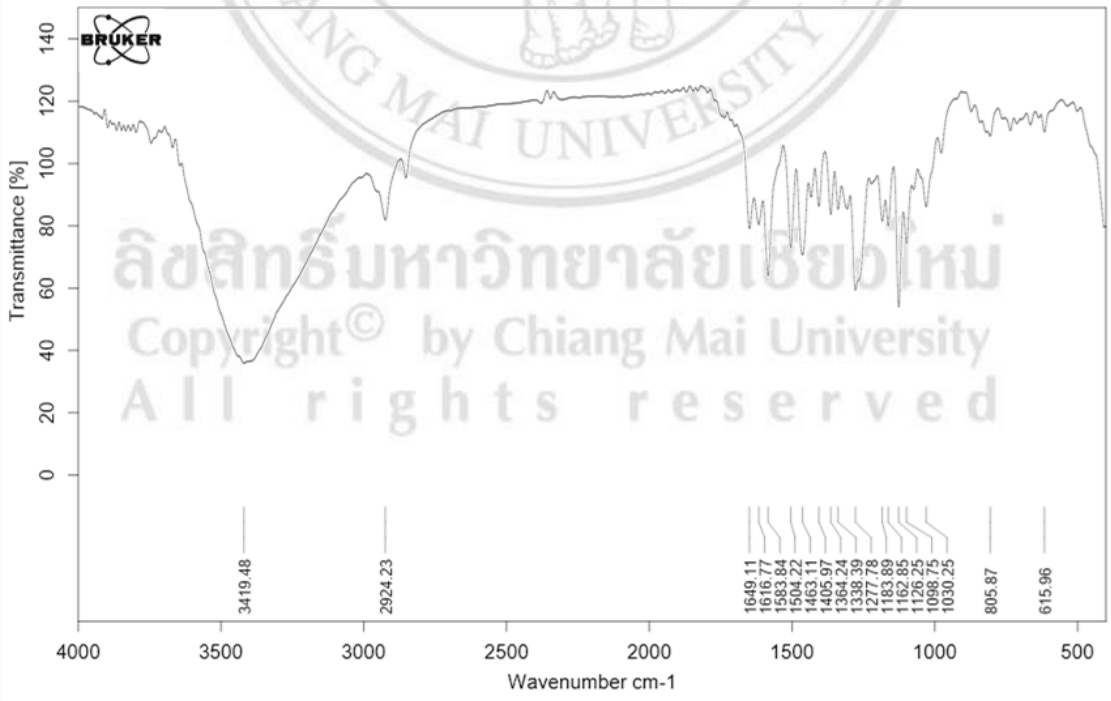


Figure B2 IR Spectrum of Miliusacunine A (**MC1**)

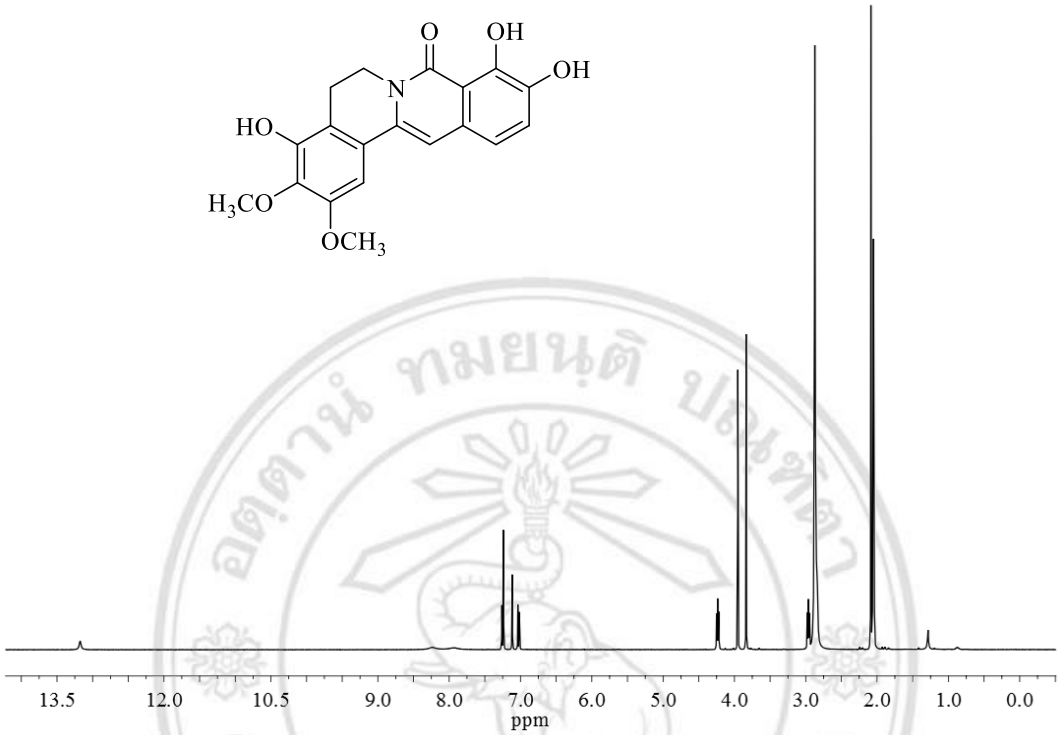


Figure B3 ^{1}H NMR Spectrum (acetone-d_6, 400 MHz) of Miliusacunine A (**MC1**)

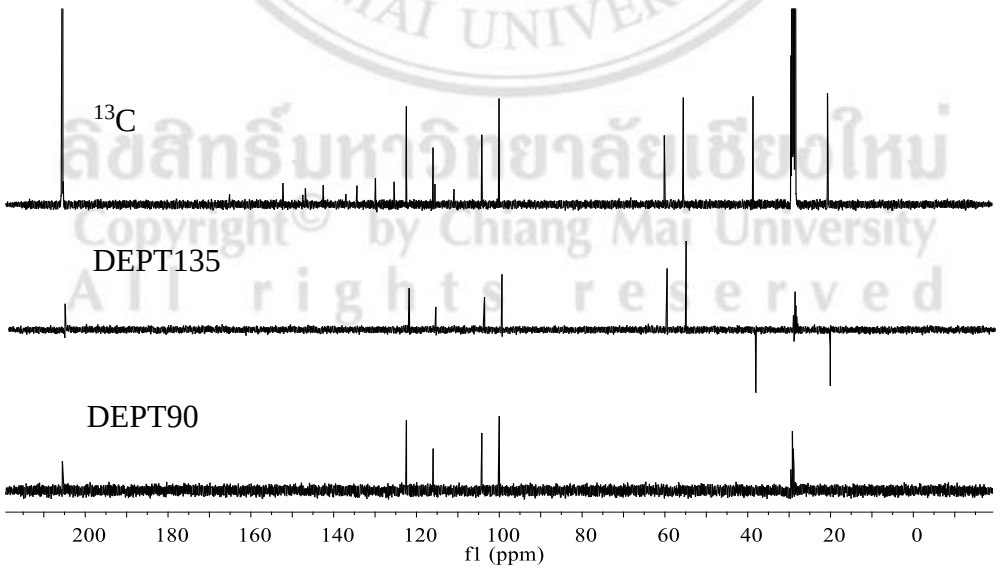


Figure B4 ^{13}C NMR, DEPT135 and DEPT90 Spectra (acetone-d_6, 100 MHz) of Miliusacunine A (**MC1**)

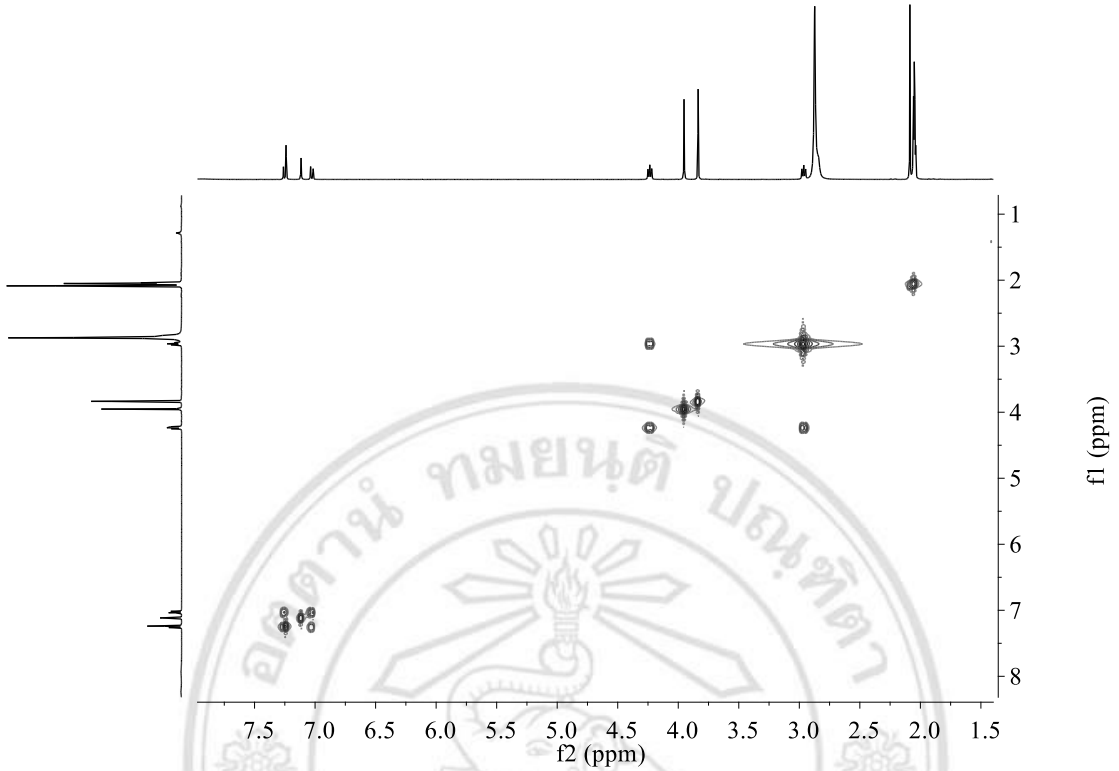


Figure B5 COSY Spectrum of Miliusacunine A (**MC1**) in acetone-d_6

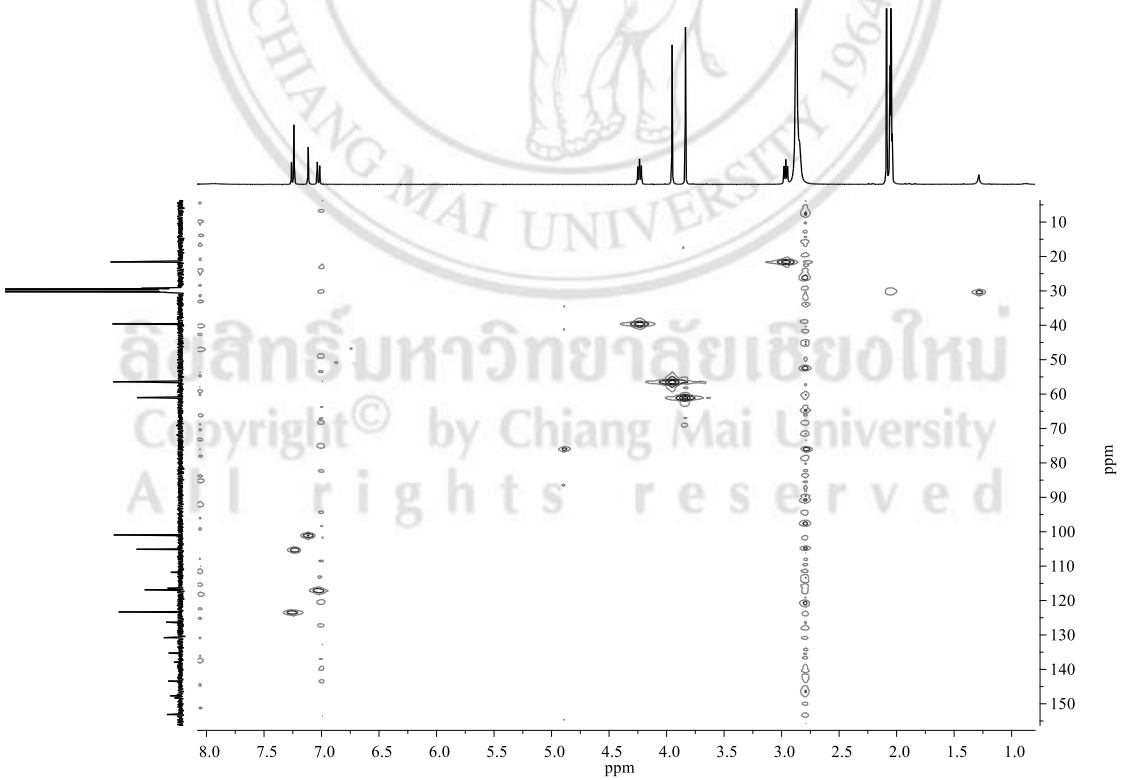


Figure B6 HMQC Spectrum of Miliusacunine A (**MC1**) in Acetone-d_6

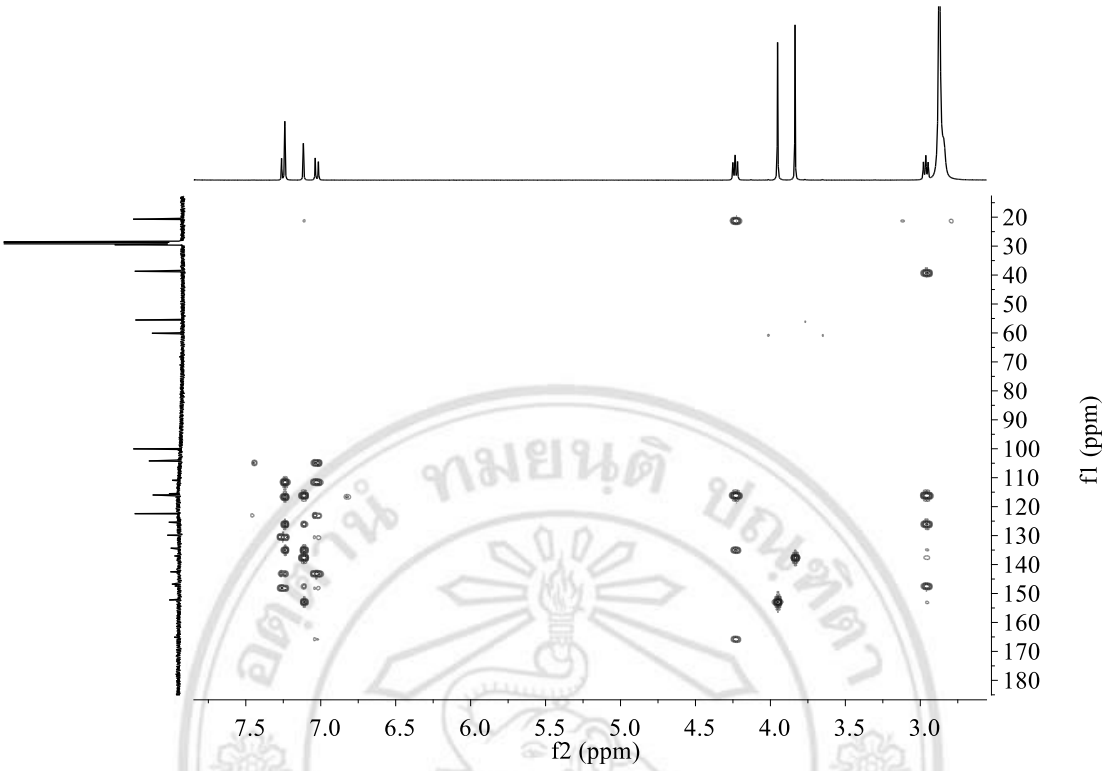
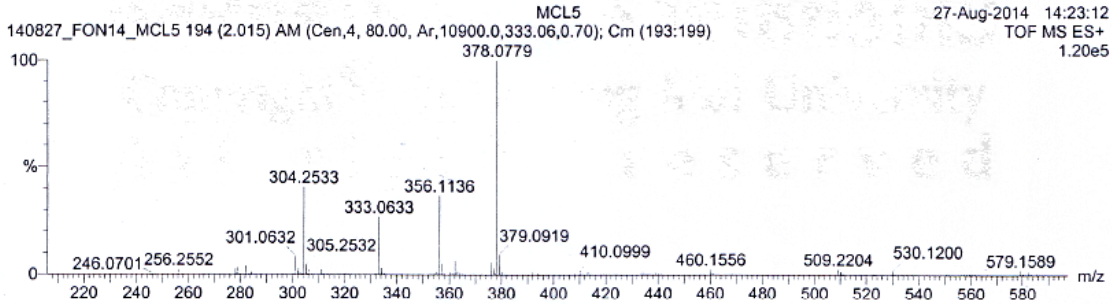


Figure B7 HMBC Spectrum of Miliusacunine A (**MC1**) in Acetone-d_6

Elemental Composition Report **Page 1**

Single Mass Analysis
Tolerance = 5000.0 PPM / DBE: min = -1.5, max = 50.0
Isotope cluster parameters: Separation = 1.0 Abundance = 1.0%

Monoisotopic Mass, Odd and Even Electron Ions
1 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)



Minimum:				-1.5		
Maximum:		5000.0	5000.0	50.0		
Mass	Calc. Mass	mDa	PPM	DBE	Score	Formula
356.1136	356.1134	0.2	0.5	11.5	1	C19 H18 N O6

Figure B8 HRESIMS Spectrum of Miliusacunine A (**MC1**)

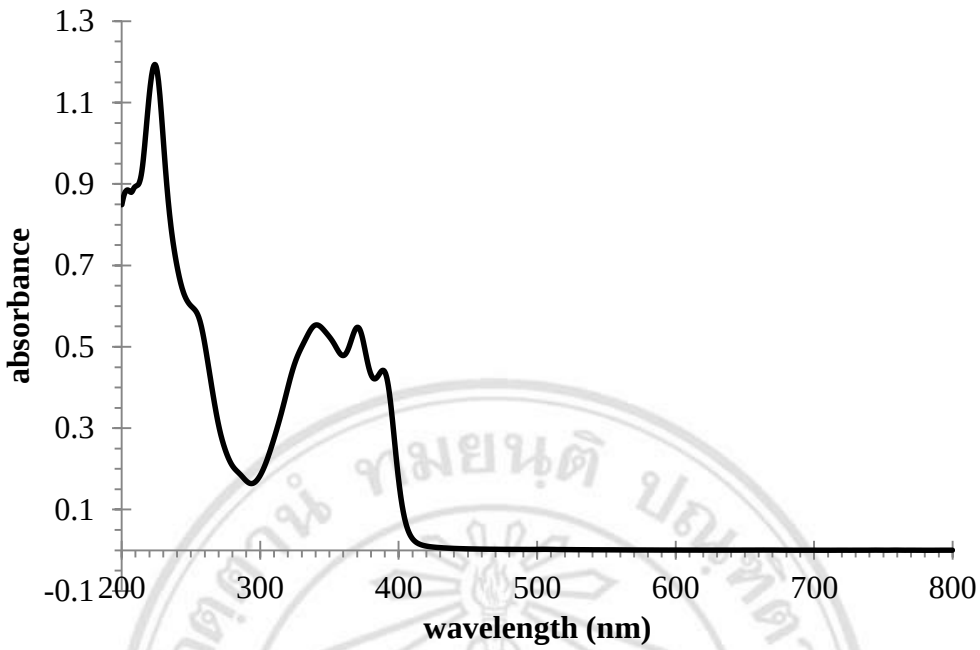


Figure B9 UV Spectrum of Miliusacunine B (**MC2**)

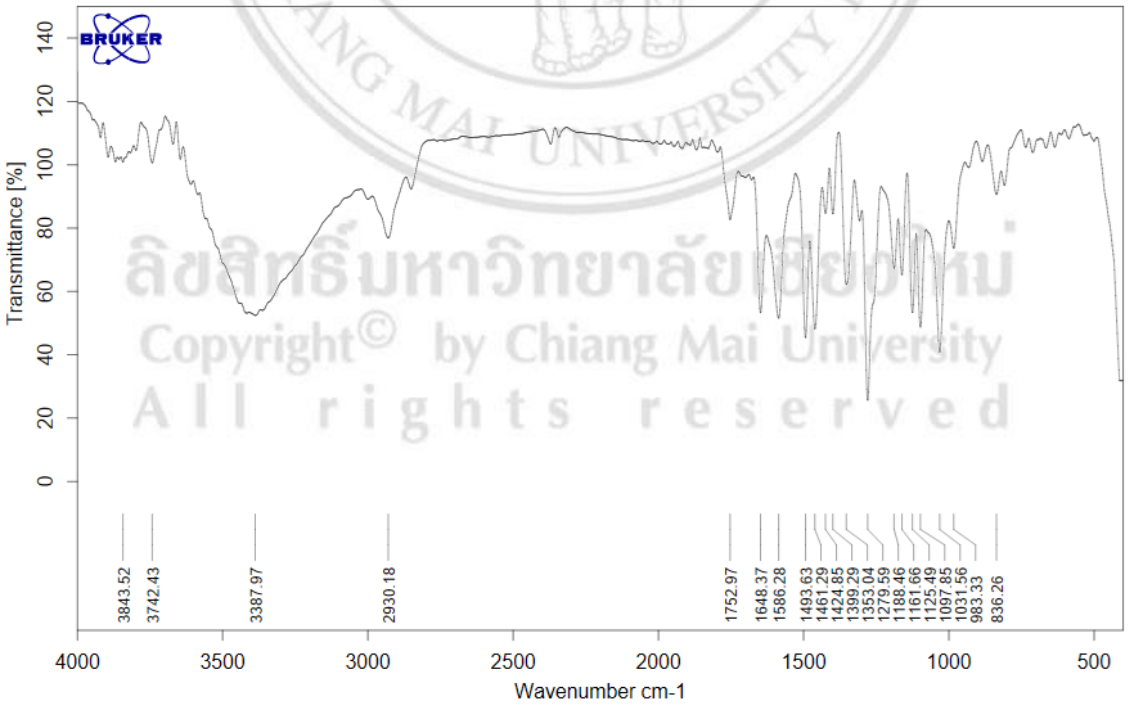


Figure B10 IR Spectrum of Miliusacunine B (**MC2**)

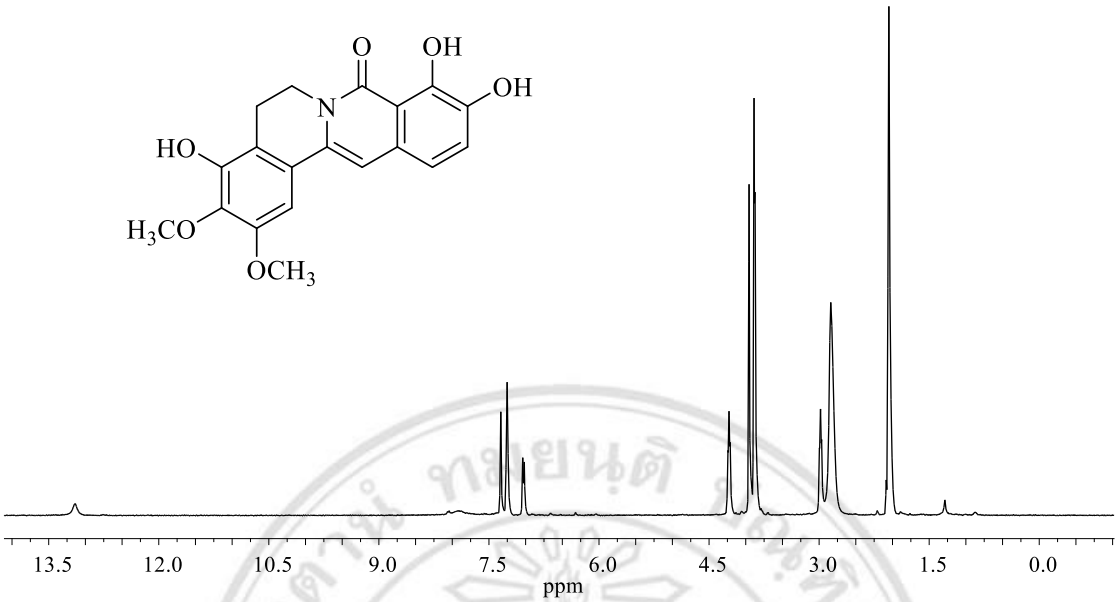


Figure B11 ^{1}H NMR Spectrum (acetone-d_6, 400 MHz) of Miliusacunine B (**MC2**)

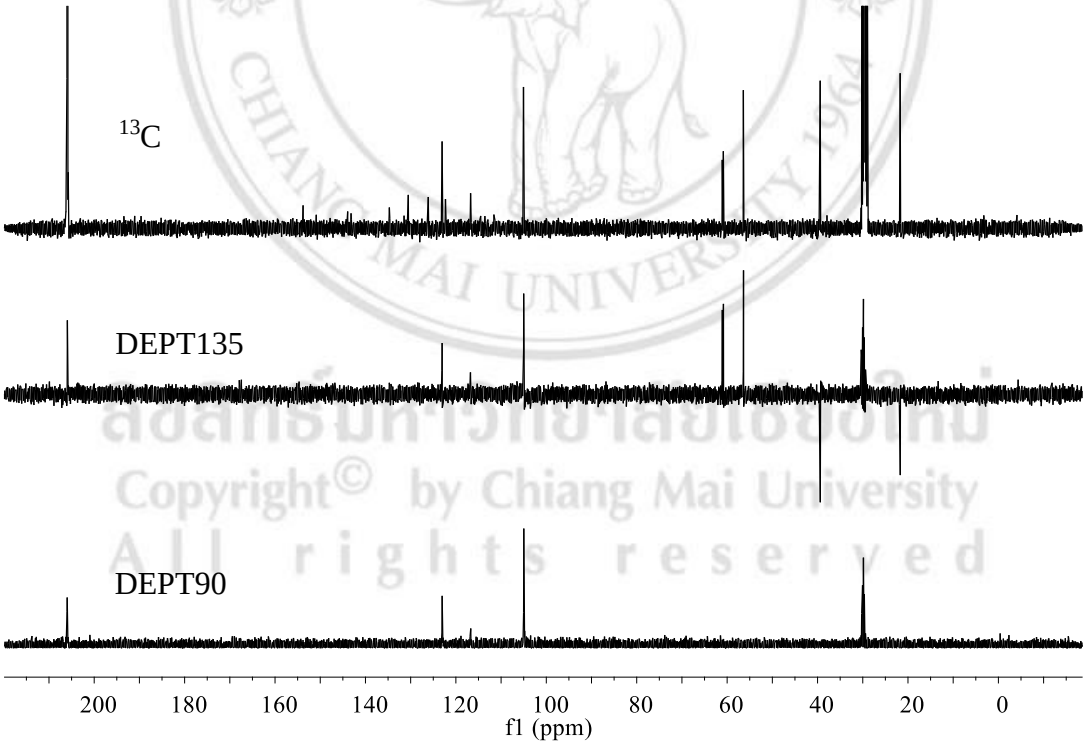


Figure B12 ^{13}C NMR, DEPT135 and DEPT90 Spectra (acetone-d_6, 100 MHz) of Miliusacunine B (**MC2**)

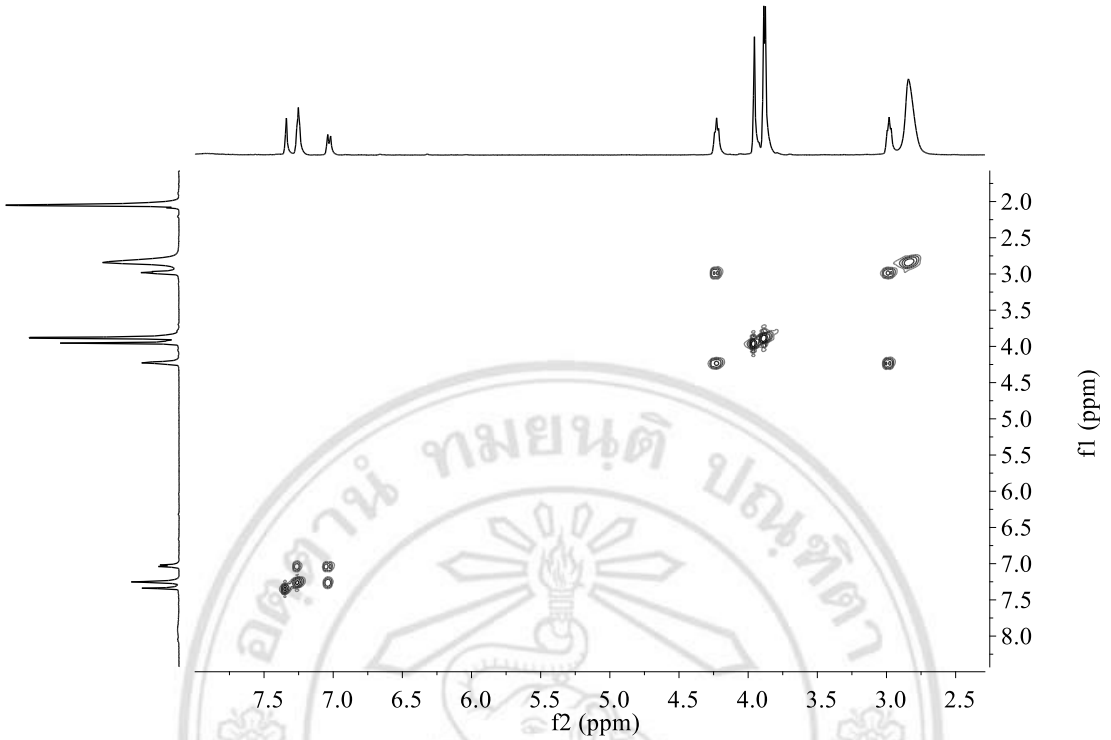


Figure B13 COSY Spectrum of Miliusacunine B (**MC2**) in Acetone-d_6

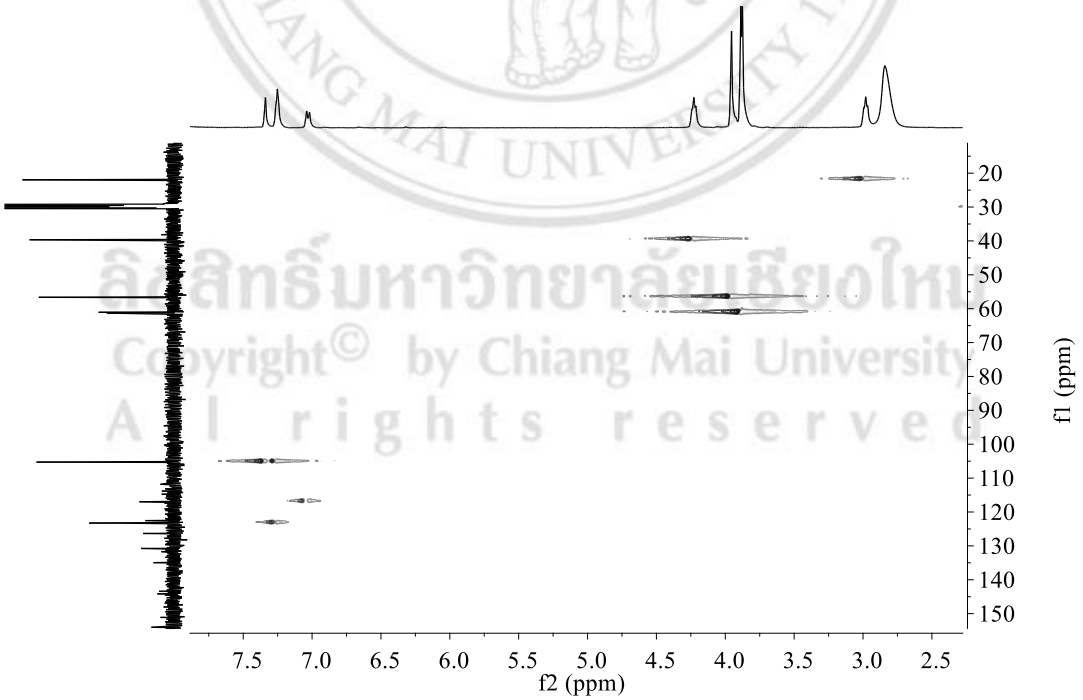


Figure B14 HMQC Spectrum of Miliusacunine B (**MC2**) in Acetone-d_6

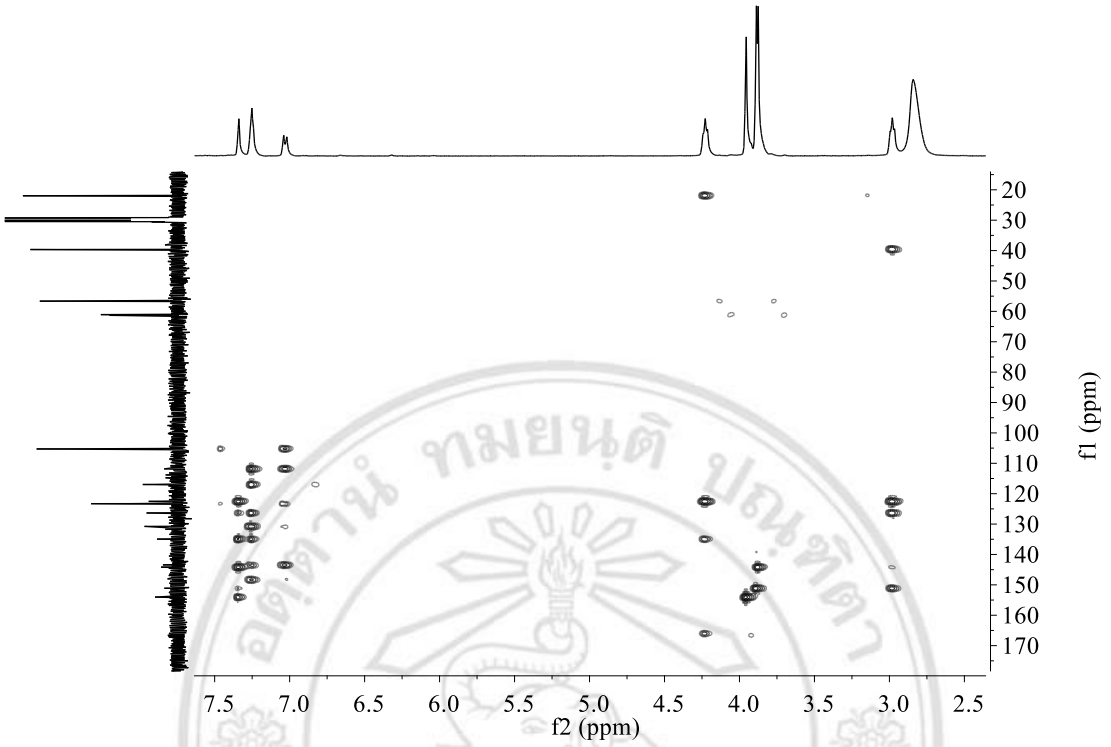


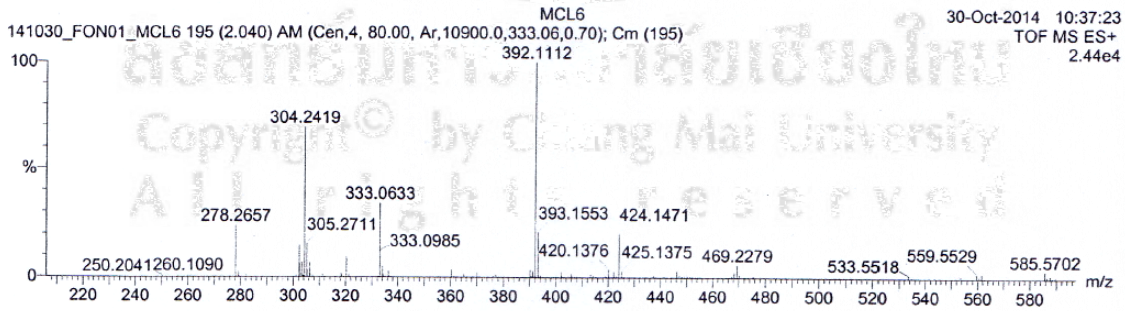
Figure B15 HMBC Spectrum of Miliusacunine B (**MC2**) in Acetone-d_6

Elemental Composition Report

Page 1

Single Mass Analysis
Tolerance = 5000.0 PPM / DBE: min = -1.5, max = 50.0
Isotope cluster parameters: Separation = 1.0 Abundance = 1.0%

Monoisotopic Mass, Odd and Even Electron Ions
1 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)



Minimum:				-1.5		
Maximum:		5000.0	5000.0	50.0		
Mass	Calc. Mass	mDa	PPM	DBE	Score	Formula
392.1112	392.1110	0.2	0.5	11.5	1	C20 H19 N O6 Na

Figure B16 HRESIMS Spectrum of Miliusacunine B (**MC2**)

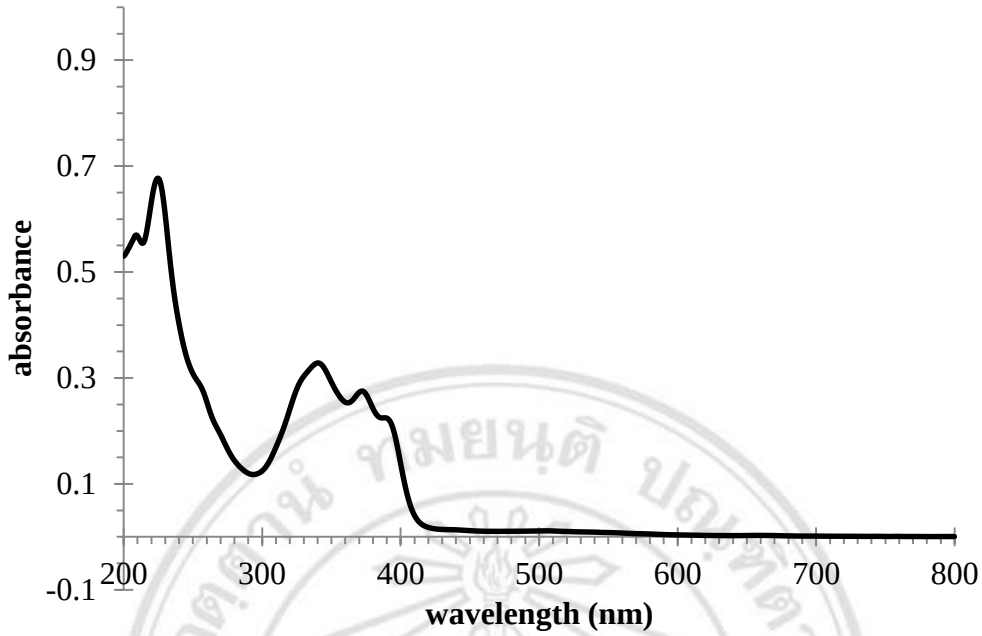


Figure B17 UV Spectrum of Miliusacunine C (**MC3**)

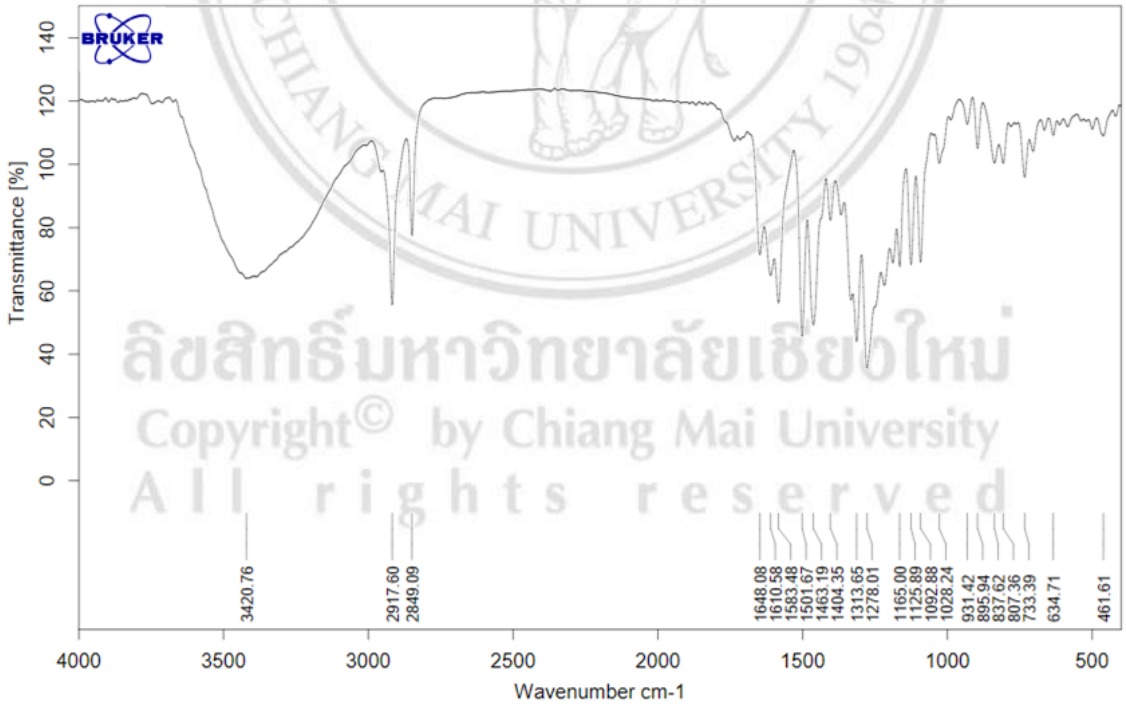


Figure B18 IR Spectrum of Miliusacunine C (**MC3**)

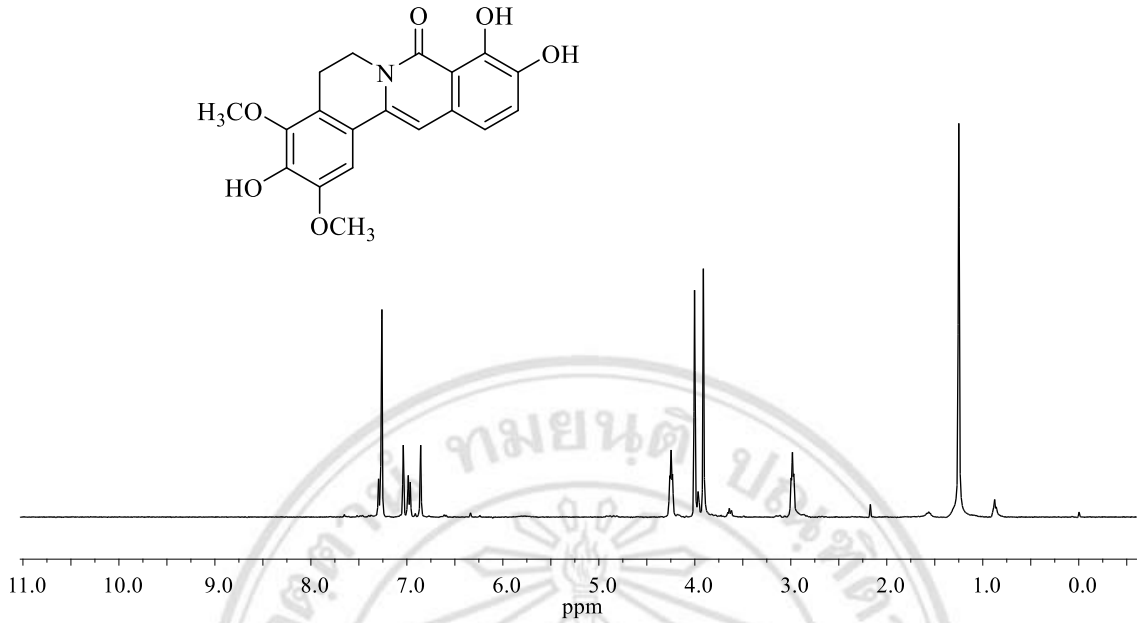


Figure B19 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of Miliusacunine C (**MC3**)

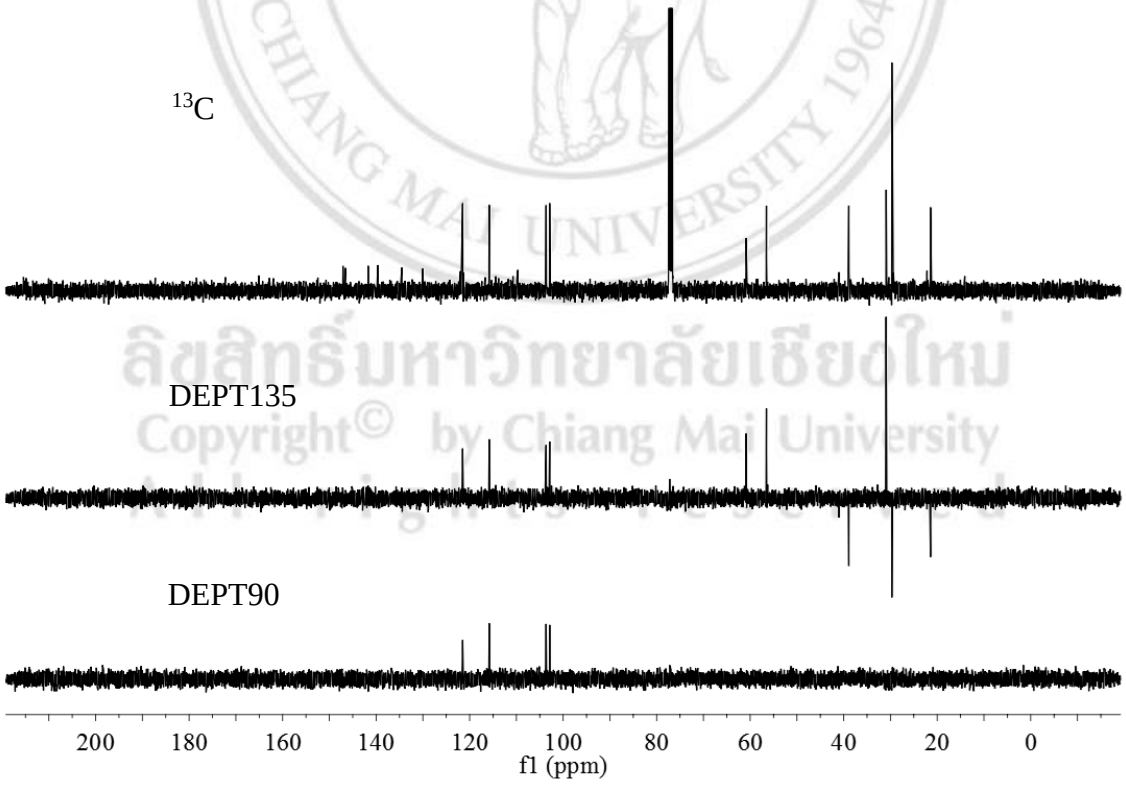


Figure B20 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of Miliusacunine C (**MC3**)

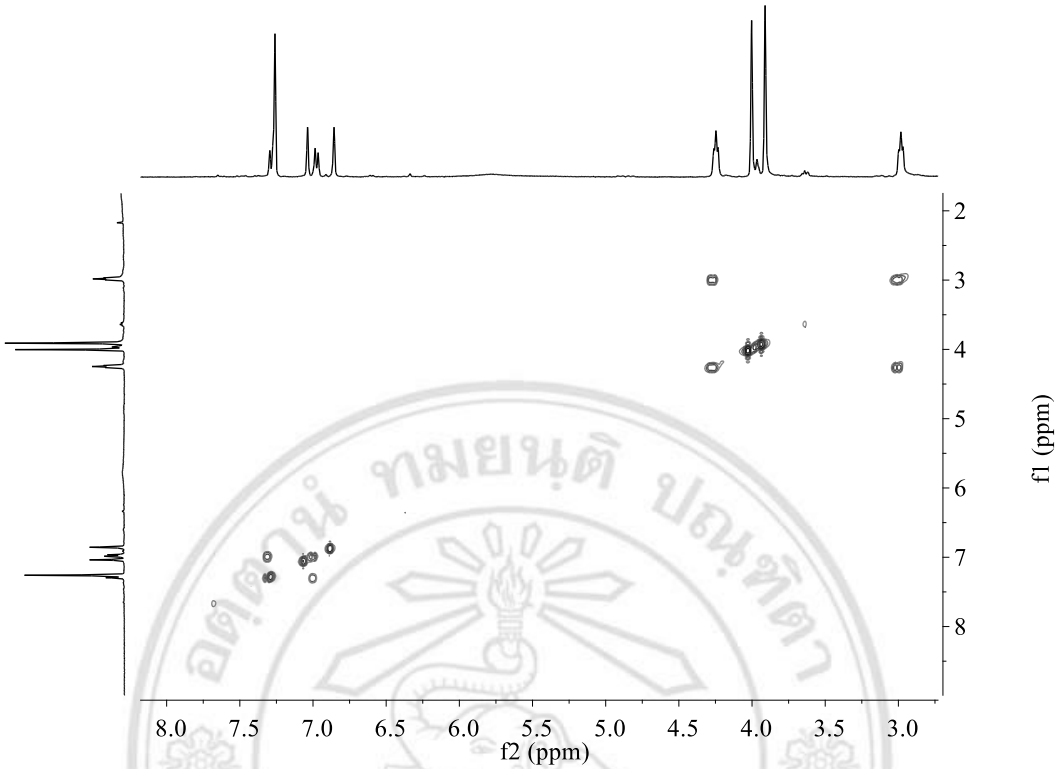


Figure B21 COSY Spectrum of Miliusacunine C (**MC3**) in $CDCl_3$

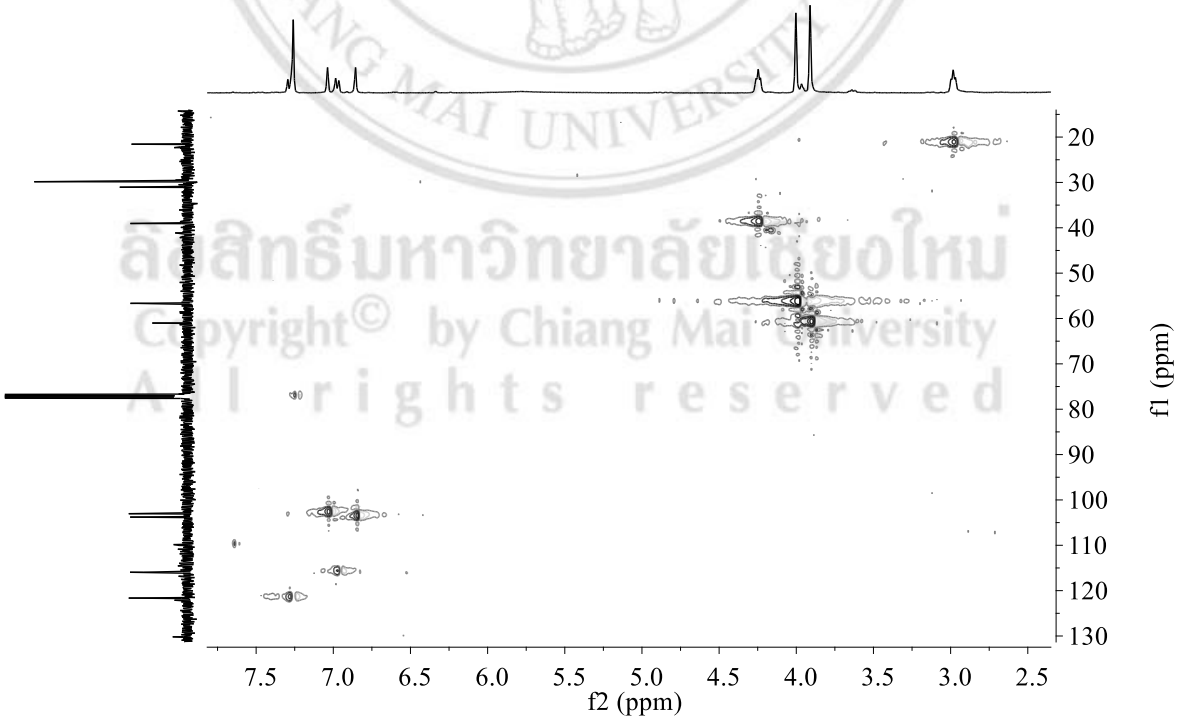


Figure B22 HMQC Spectrum of Miliusacunine C (**MC3**) in $CDCl_3$

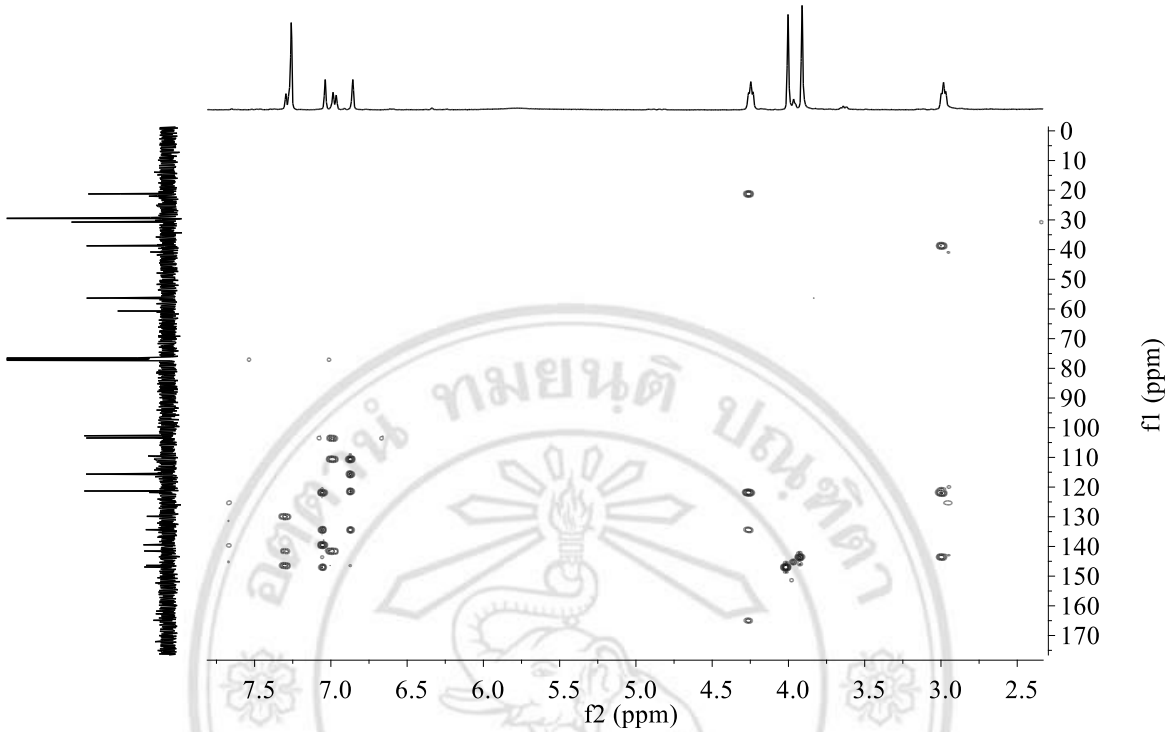
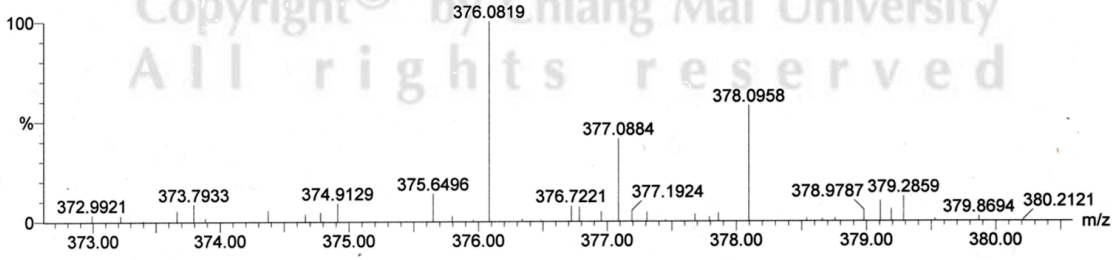


Figure B23 HMBC Spectrum of Miliusacunine C (**MC3**) in $CDCl_3$

Elemental Composition Report **Page 1**

Single Mass Analysis
Tolerance = 8.0 PPM / DBE: min = -1.5, max = 120.0
Element prediction: Off
Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions
1004 formula(e) evaluated with 6 results within limits (up to 20 closest results for each mass)
Elements Used:
C: 8-40 H: 0-70 N: 0-10 O: 0-12 Na: 0-1
MC 3
SP Thanaphat MC 3 73 (1.754) AM2 (Ar,8000.0,0.00,0.57); ABS; Cm (71:73) 1: TOF MS ES+ 5.21e+002



Minimum:				-1.5			
Maximum:		5.0	8.0	120.0			
Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	i-FIT (Norm)	Formula
378.0958	378.0954	0.4	1.1	11.5	59.8	1.9	C19 H17 N O6 Na

Figure B24 HRESIMS Spectrum of Miliusacunine C (**MC3**)

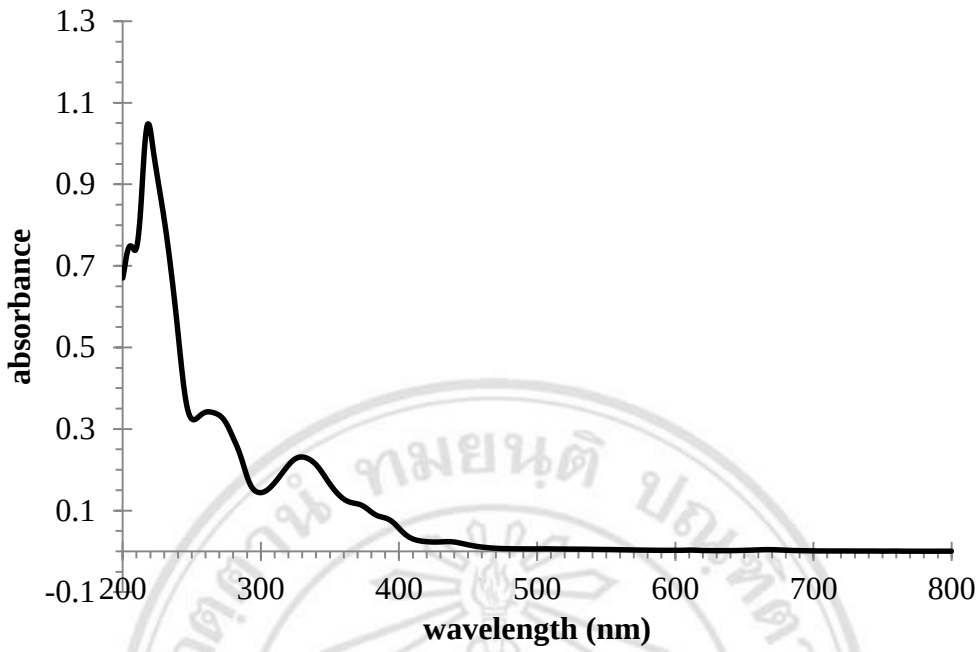


Figure B25 UV Spectrum of Miliusacunine D (**MC4**)

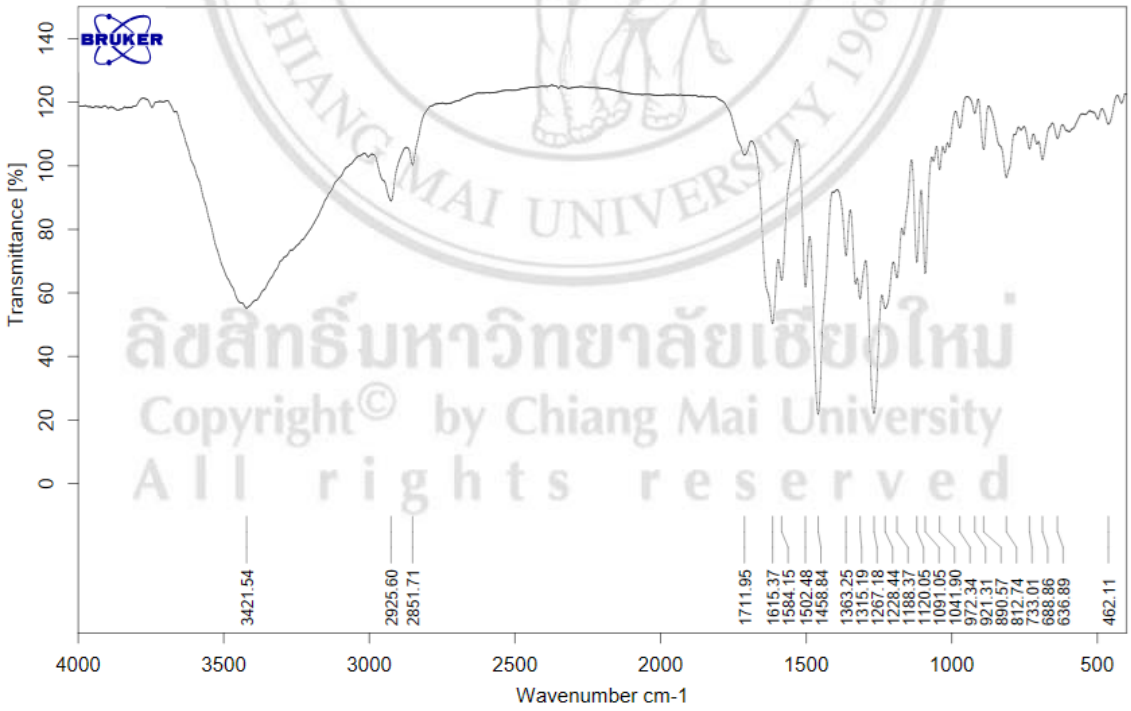


Figure B26 IR Spectrum of Miliusacunine D (**MC4**)

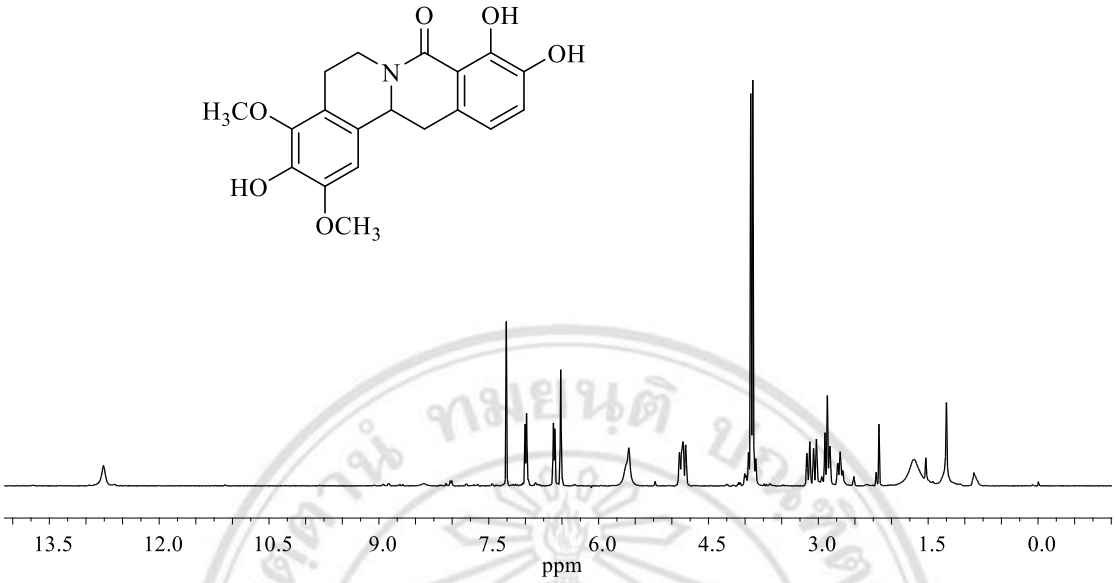


Figure B27 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of Miliusacunine D (**MC4**)

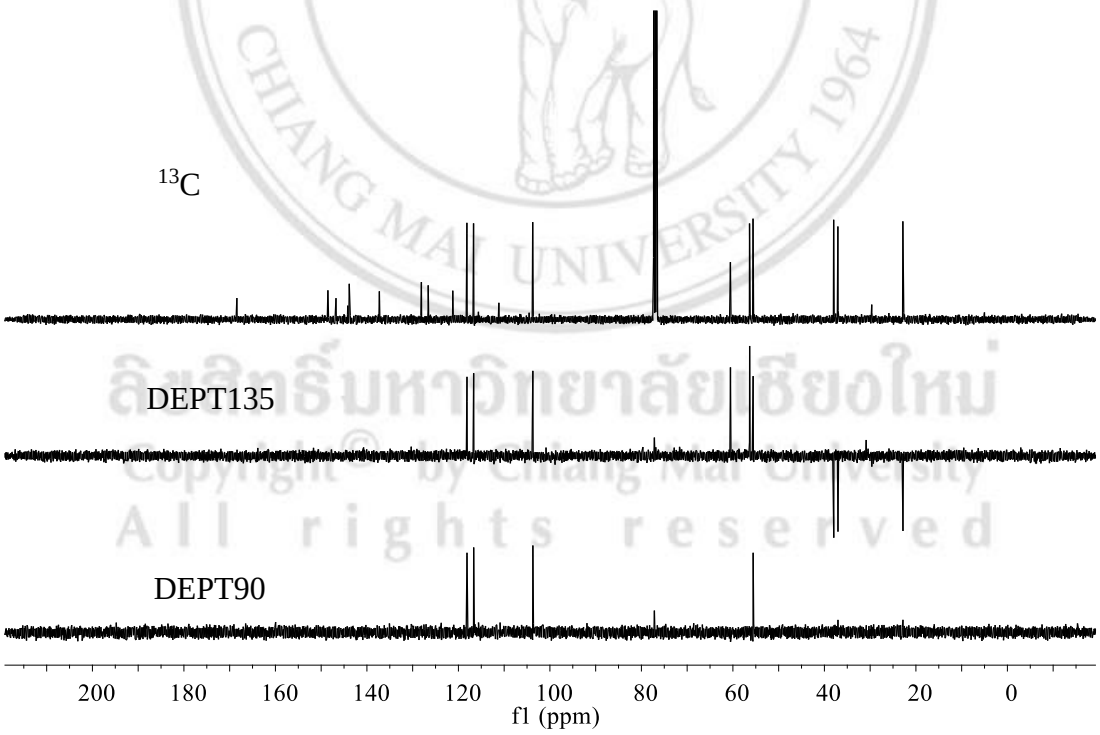


Figure B28 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of Miliusacunine D (**MC4**)

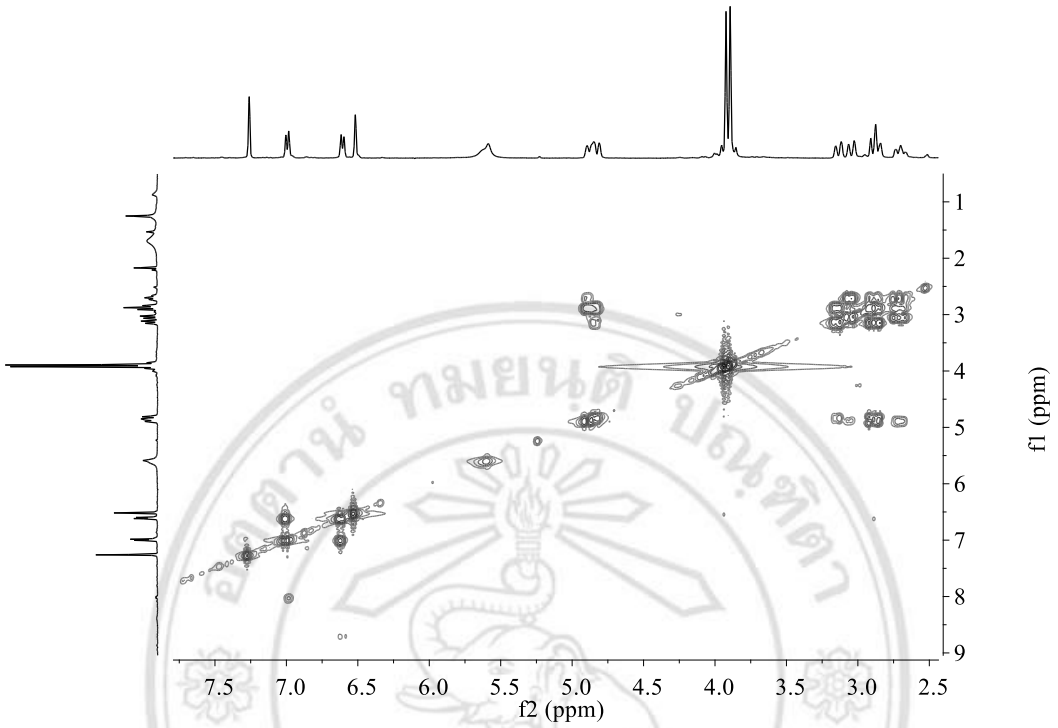


Figure B29 COSY Spectrum of Miliusacunine D (**MC4**) in $CDCl_3$

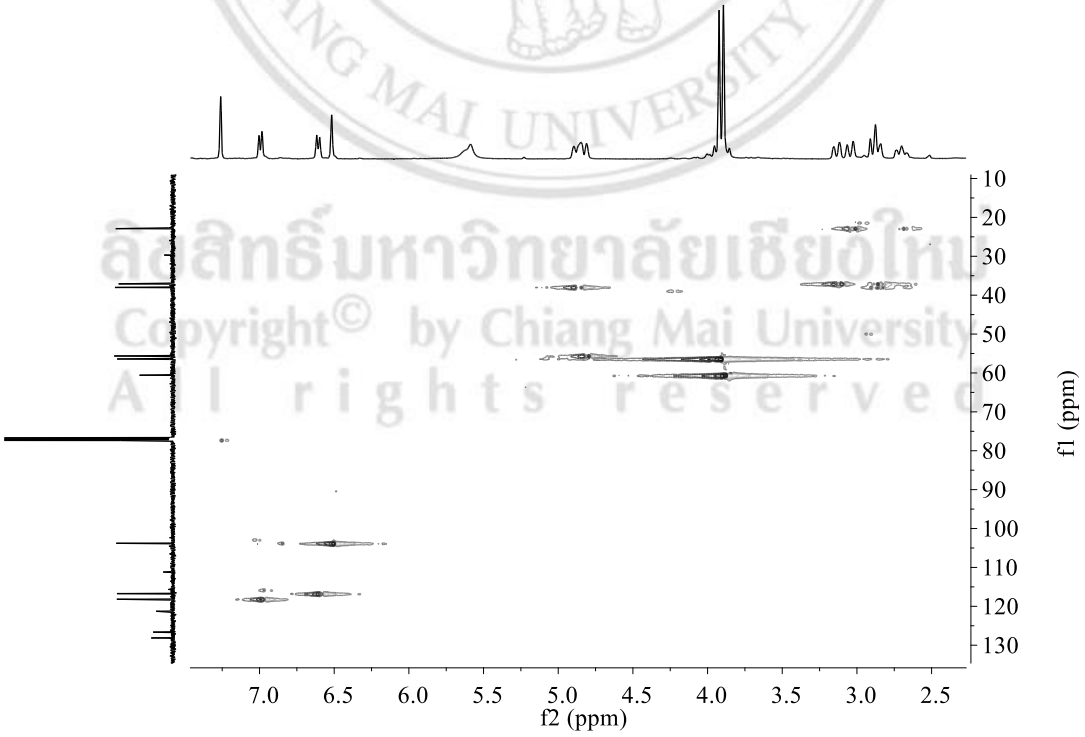


Figure B30 HMQC Spectrum of Miliusacunine D (**MC4**) in $CDCl_3$

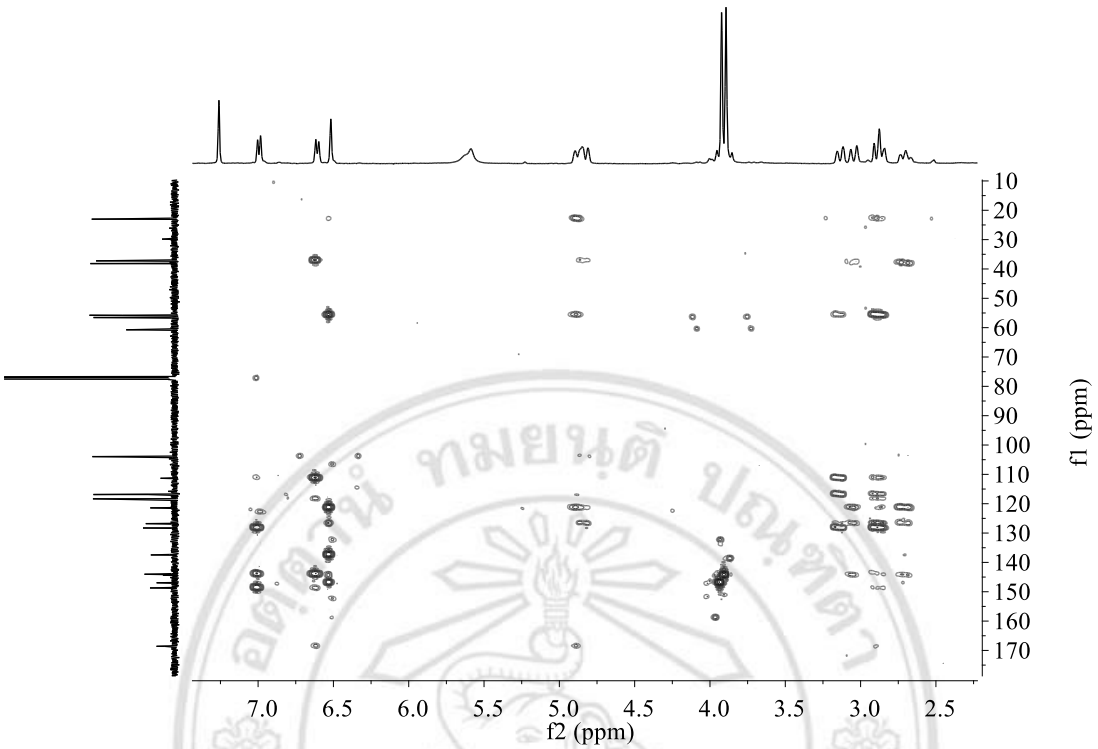
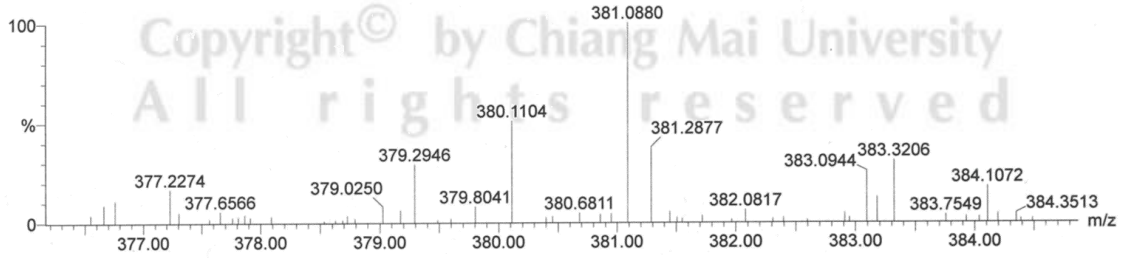


Figure B31 HMBC Spectrum of Miliusacunine D (**MC4**) in $CDCl_3$

Elemental Composition Report **Page 1**

Single Mass Analysis
Tolerance = 8.0 PPM / DBE: min = -1.5, max = 120.0
Element prediction: Off
Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions
1013 formula(e) evaluated with 7 results within limits (up to 20 closest results for each mass)
Elements Used:
C: 8-40 H: 0-70 N: 0-10 O: 0-12 Na: 0-1
MC 4
SP Thanaphat MC 4 37 (0.904) AM2 (Ar,10000.0,0.00,1.00); ABS; Cm (36:37) 1: TOF MS ES+
1.33e+002



Minimum:				-1.5			
Maximum:		5.0	8.0	120.0			
Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	i-FIT (Norm)	Formula
380.1104	380.1107	-0.3	-0.8	14.5	68.8	2.1	C17 H14 N7 O4
	380.1110	-0.6	-1.6	10.5	68.9	2.2	C19 H19 N O6 Na

Figure B32 HRESIMS Spectrum of Miliusacunine D (**MC4**)

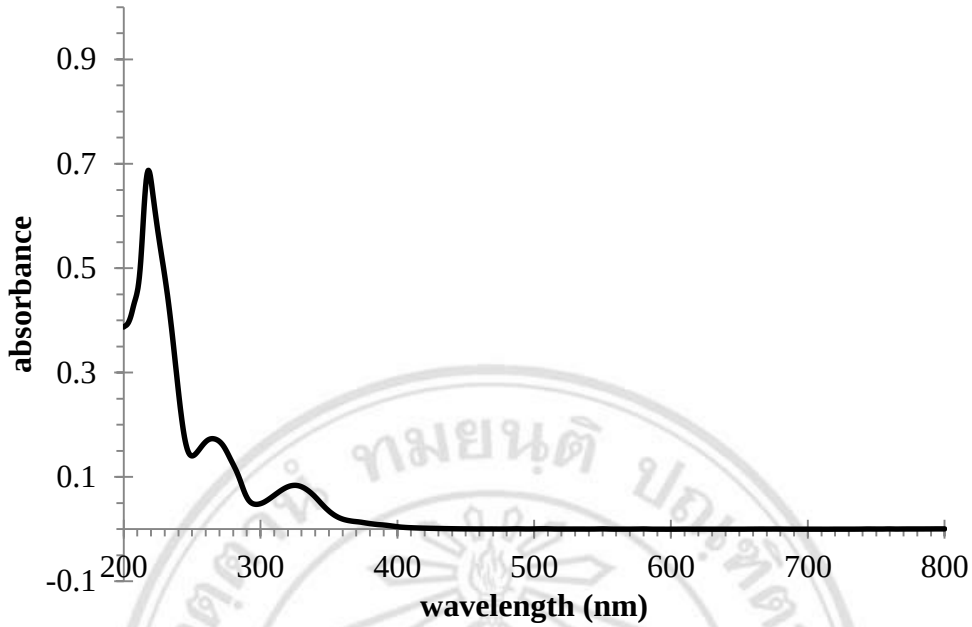


Figure B33 UV Spectrum of Miliusacunine E (**MC5**)

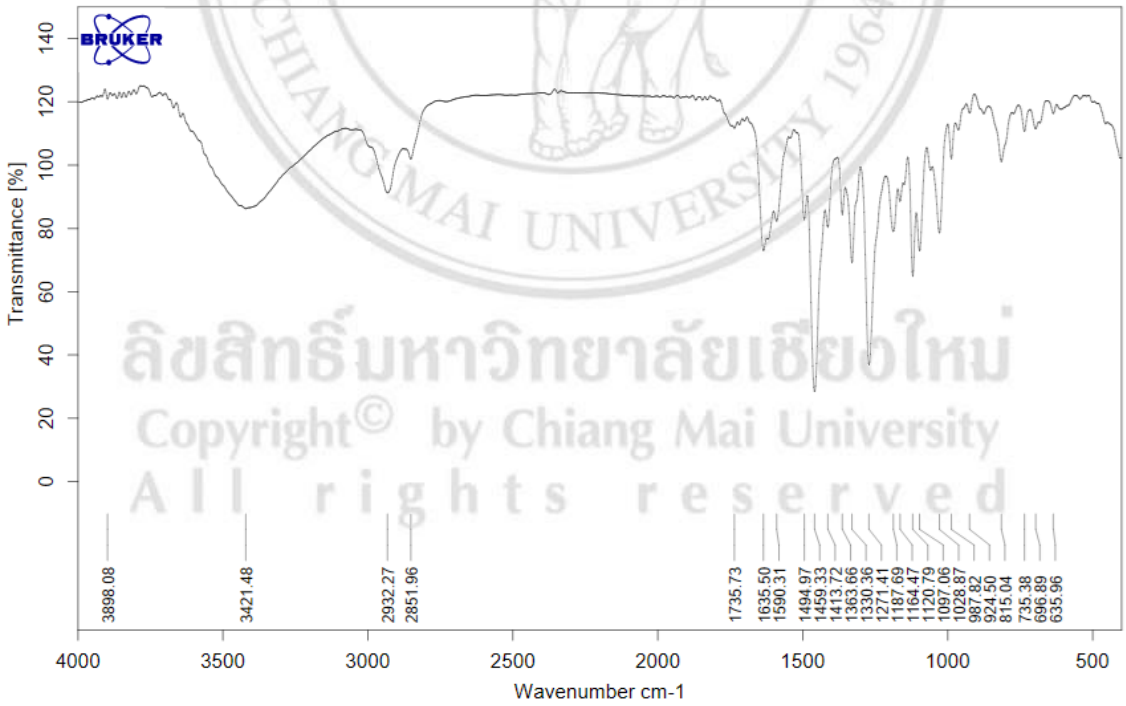


Figure B34 IR Spectrum of Miliusacunine E (**MC5**)

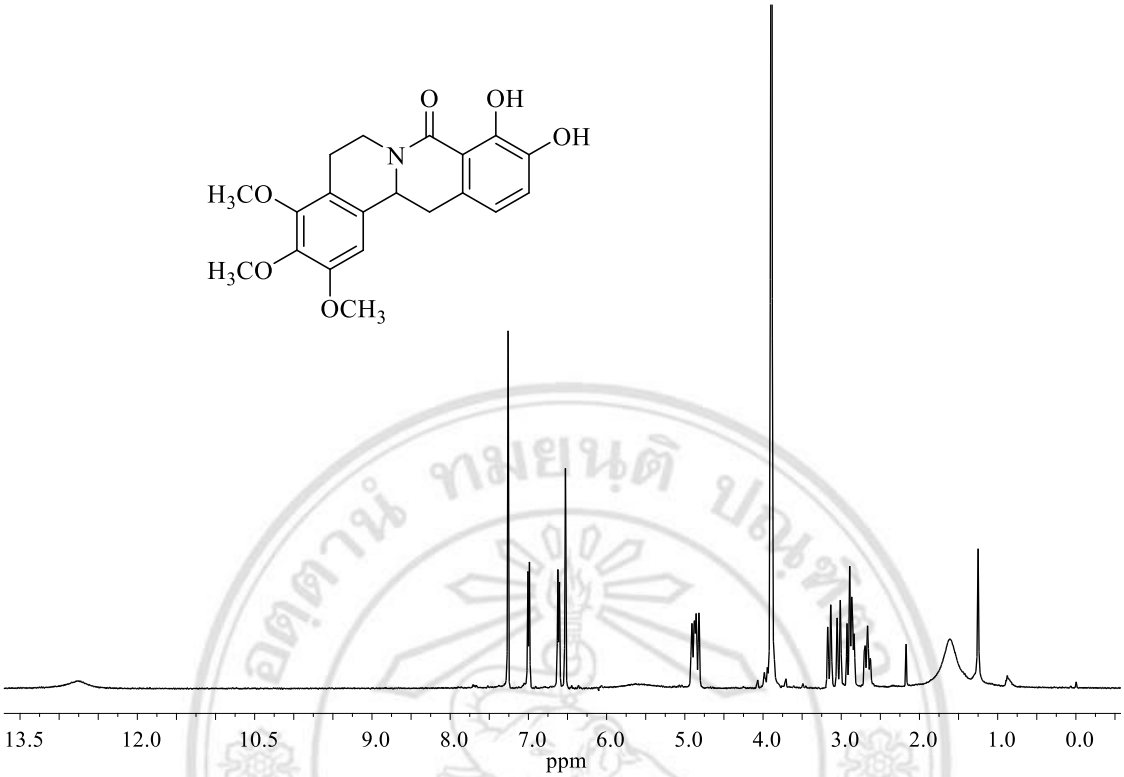


Figure B35 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of Miliusacunine E (**MC5**)

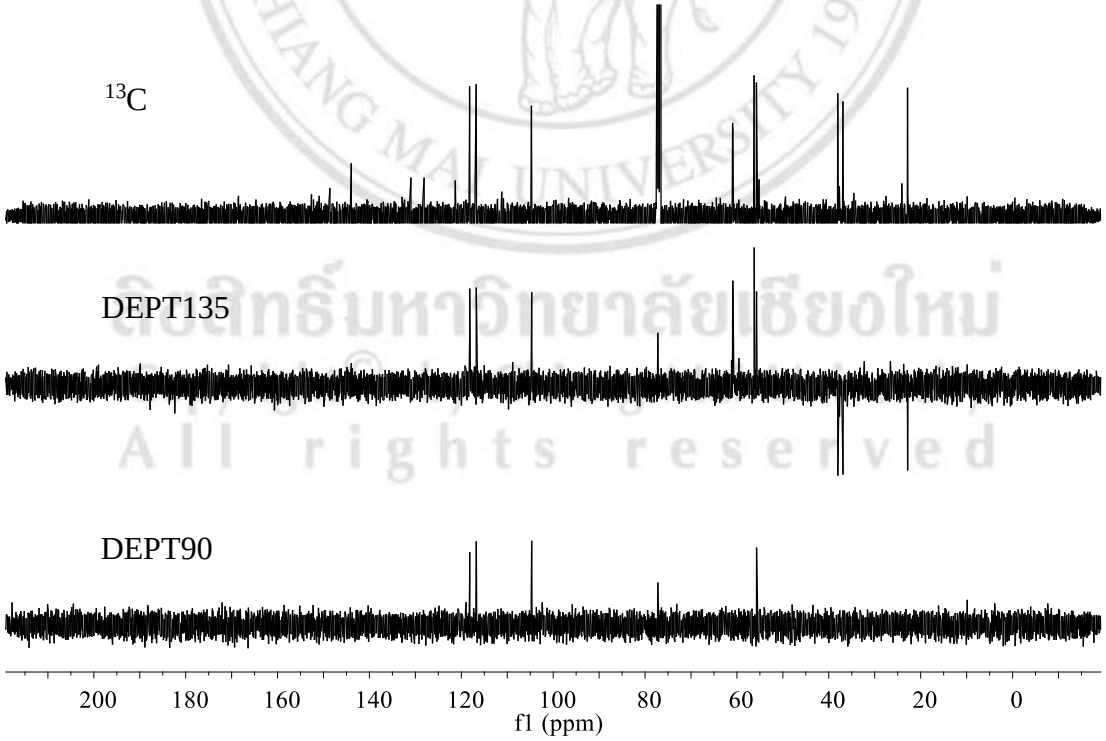


Figure B36 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of Miliusacunine E (**MC5**)

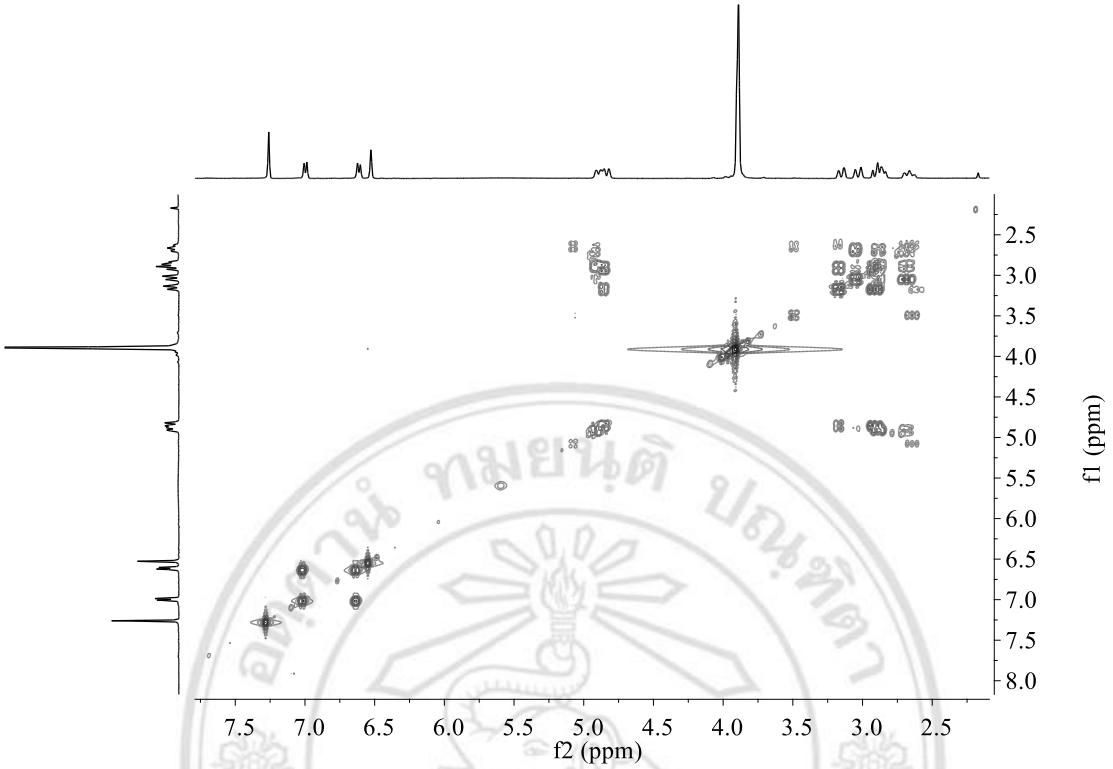


Figure B37 COSY Spectrum of Miliusacunine E (**MC5**) in $CDCl_3$

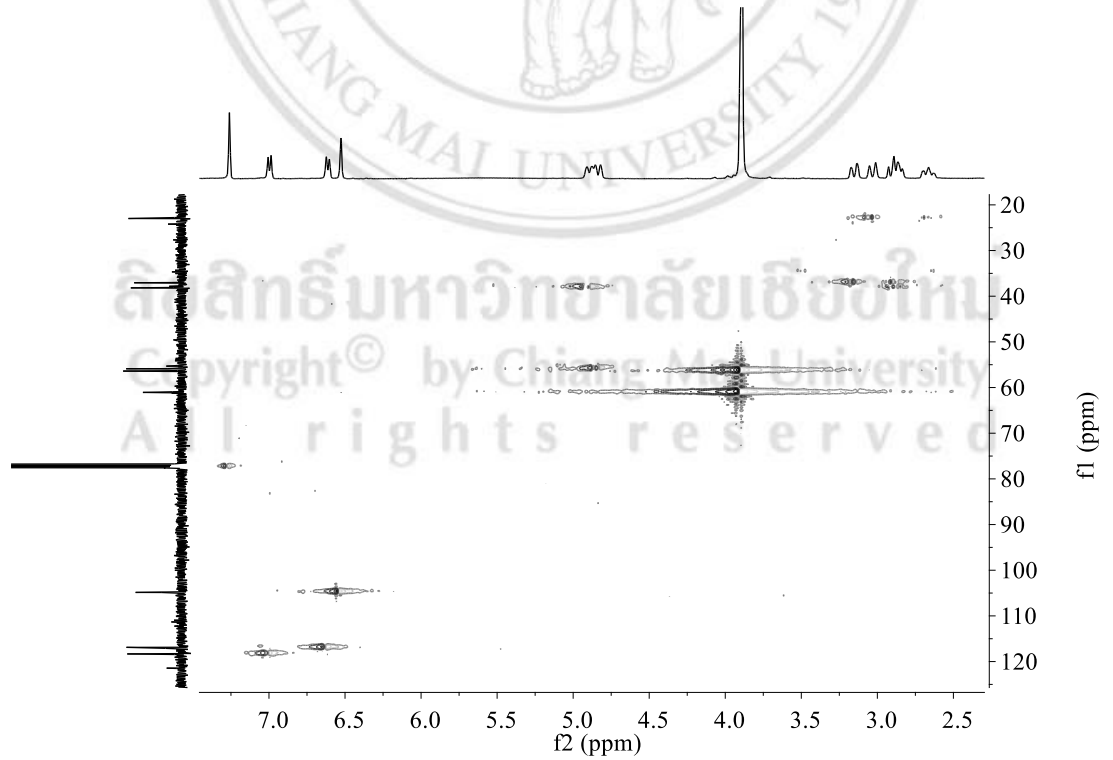


Figure B38 HMQC Spectrum of Miliusacunine E (**MC5**) in $CDCl_3$

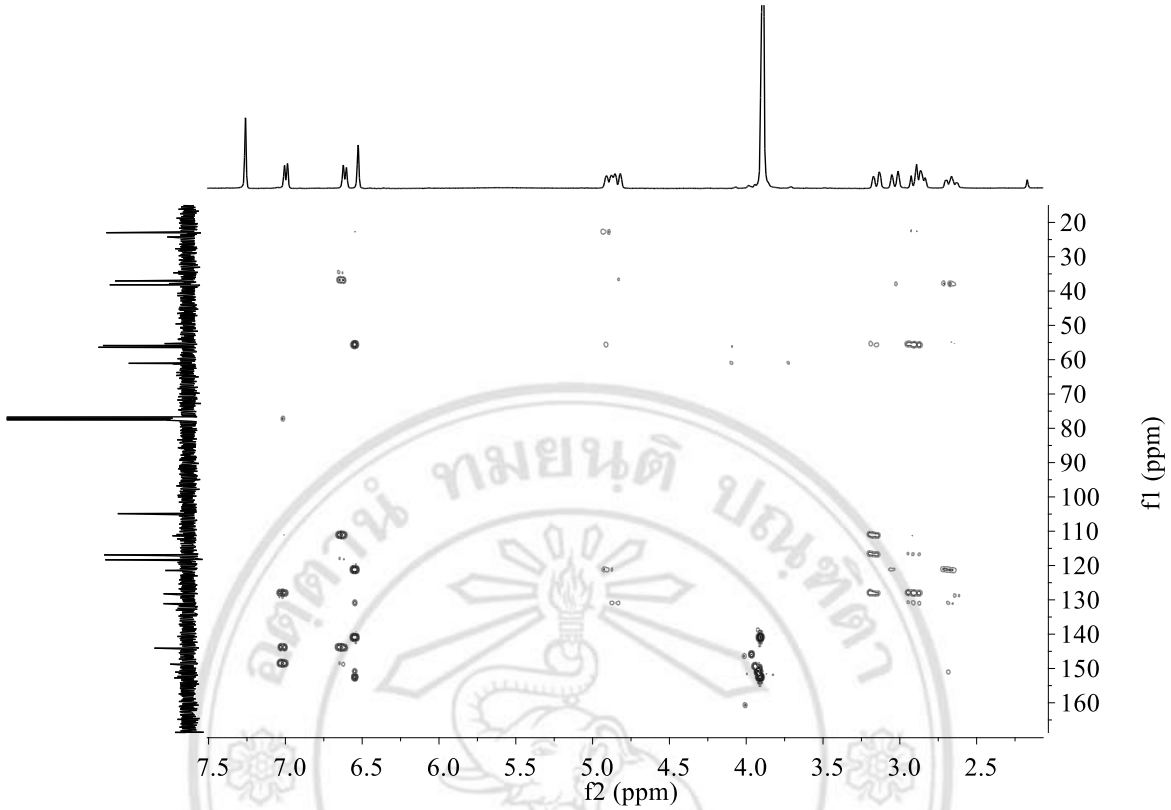
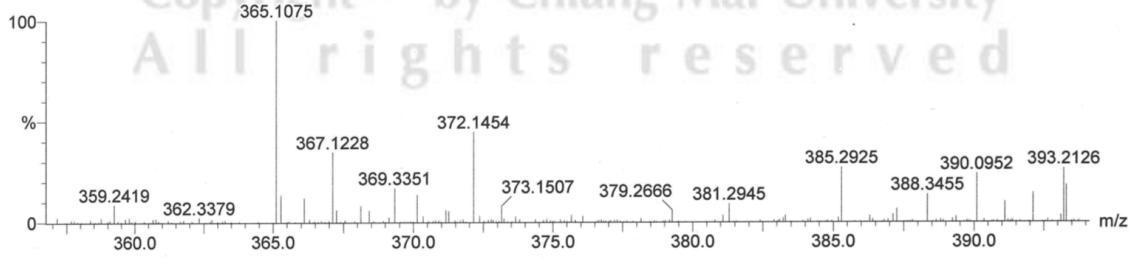


Figure B39 HMBC Spectrum of Miliusacunine E (**MC5**) in $CDCl_3$

Elemental Composition Report **Page 1**

Single Mass Analysis
Tolerance = 8.0 PPM / DBE: min = -1.5, max = 120.0
Element prediction: Off
Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions
979 formula(e) evaluated with 6 results within limits (up to 20 closest results for each mass)
Elements Used:
C: 8-40 H: 0-70 N: 0-10 O: 0-12 Na: 0-1
MC 5
SP Thanaphat MC 5 54 (1.292) AM2 (Ar,8000.0,0.00,0.57); ABS; Cm (52:54) 1: TOF MS ES+ 2.35e+003



Minimum:				-1.5			
Maximum:		5.0	8.0	120.0			
Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	i-FIT (Norm)	Formula
372.1454	372.1447	0.7	1.9	10.5	94.7	1.5	C20 H22 N O6

Figure B40 HRESIMS Spectrum of Miliusacunine E (**MC5**)

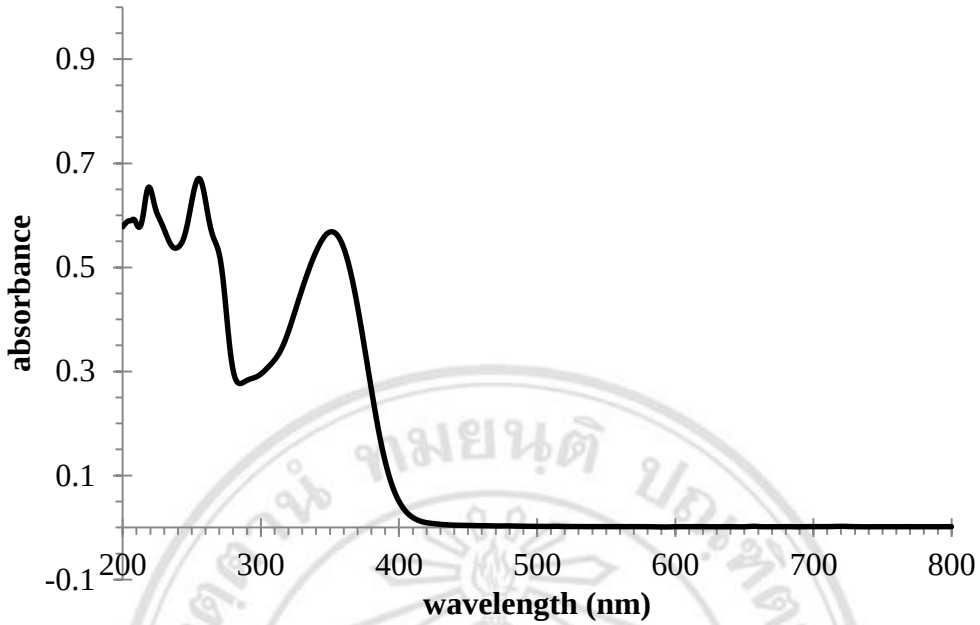


Figure B41 UV Spectrum of 5-Hydroxy-3,7-dimethoxy-3′,4′-methylenedioxyflavone (**MC6**)

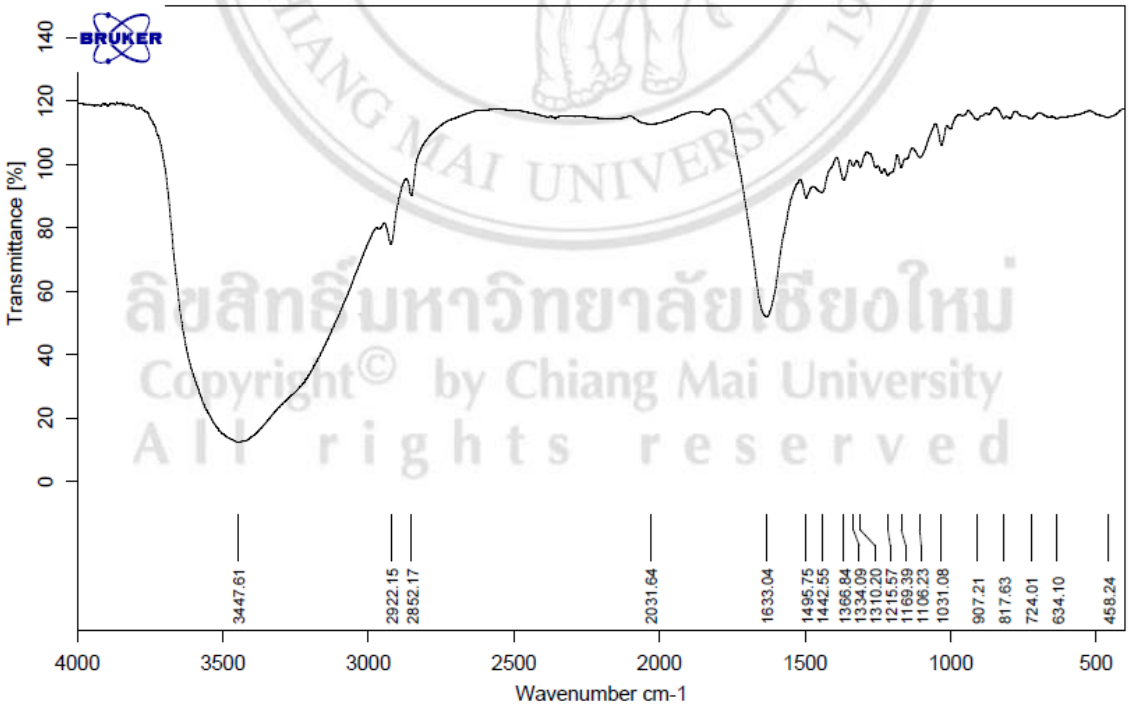


Figure B42 IR Spectrum of 5-Hydroxy-3,7-dimethoxy-3′,4′-methylenedioxyflavone (**MC6**)

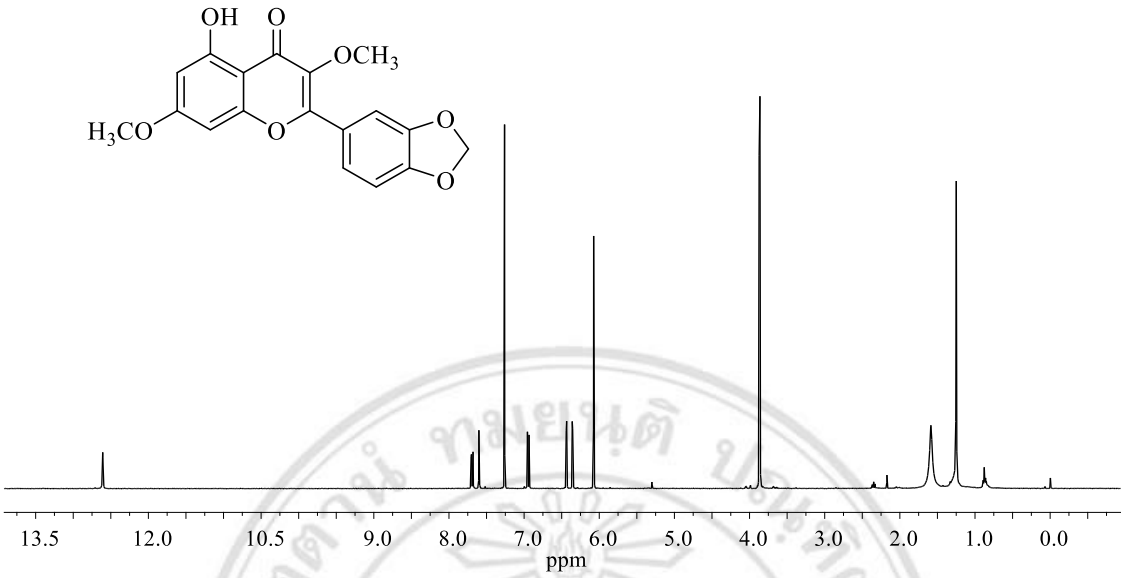


Figure B43 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of 5-Hydroxy-3,7-dimethoxy-3′,4′-methylenedioxyflavone (**MC6**)

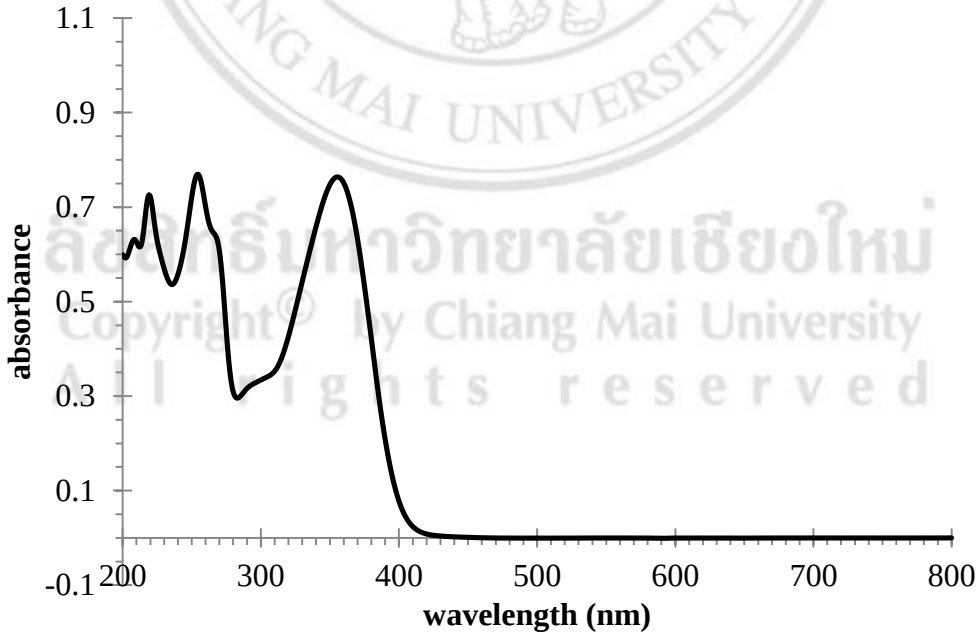


Figure B44 UV Spectrum of Pachypodol (**MC7**)

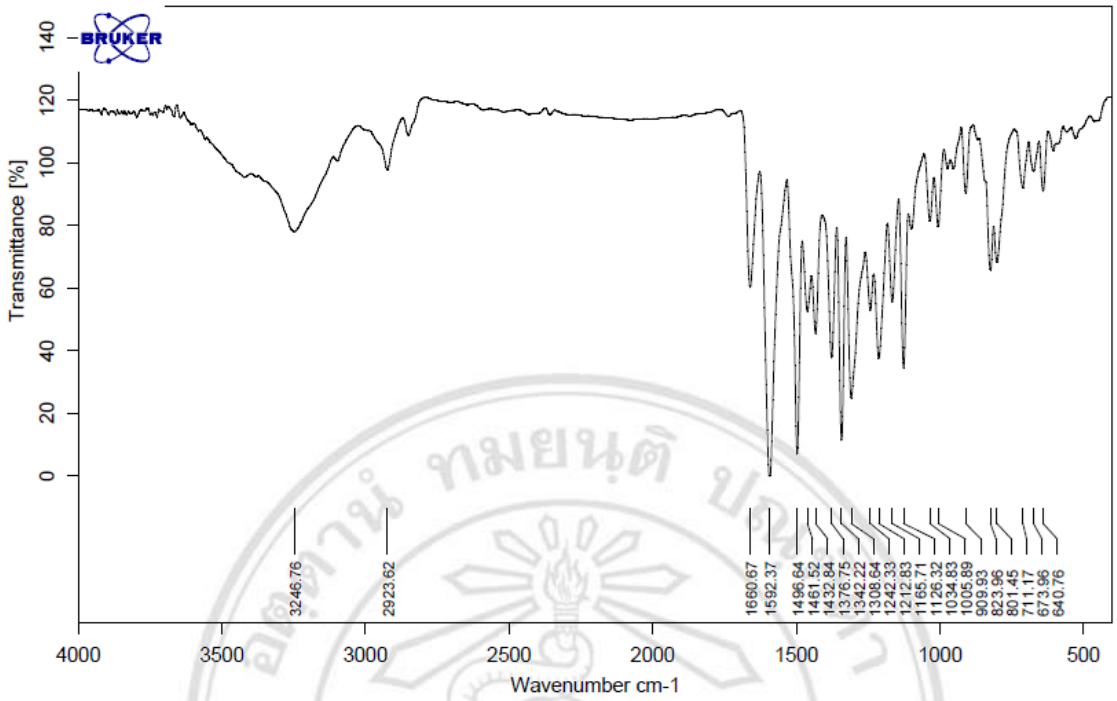


Figure B45 IR Spectrum of Pachypodol (**MC7**)

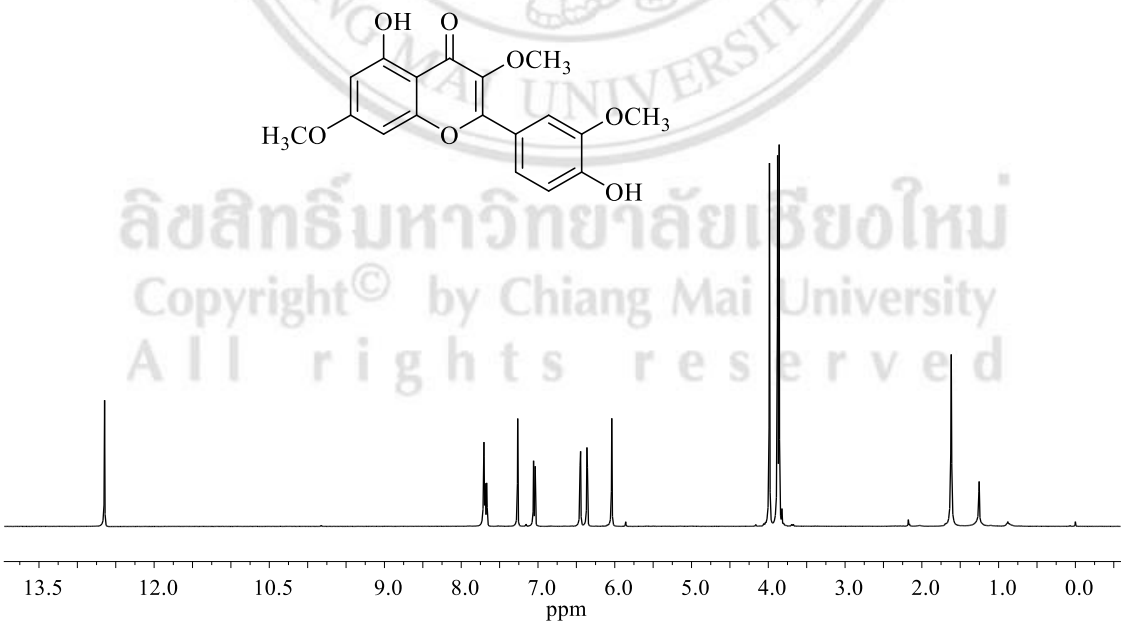


Figure B46 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of Pachypodol (**MC7**)

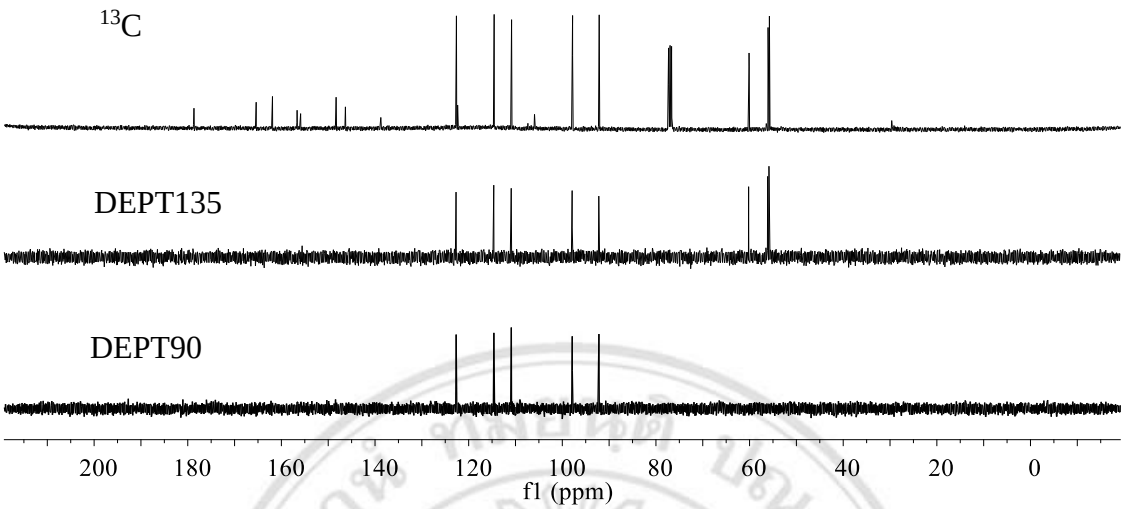


Figure B47 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of Pachypodol (**MC7**)

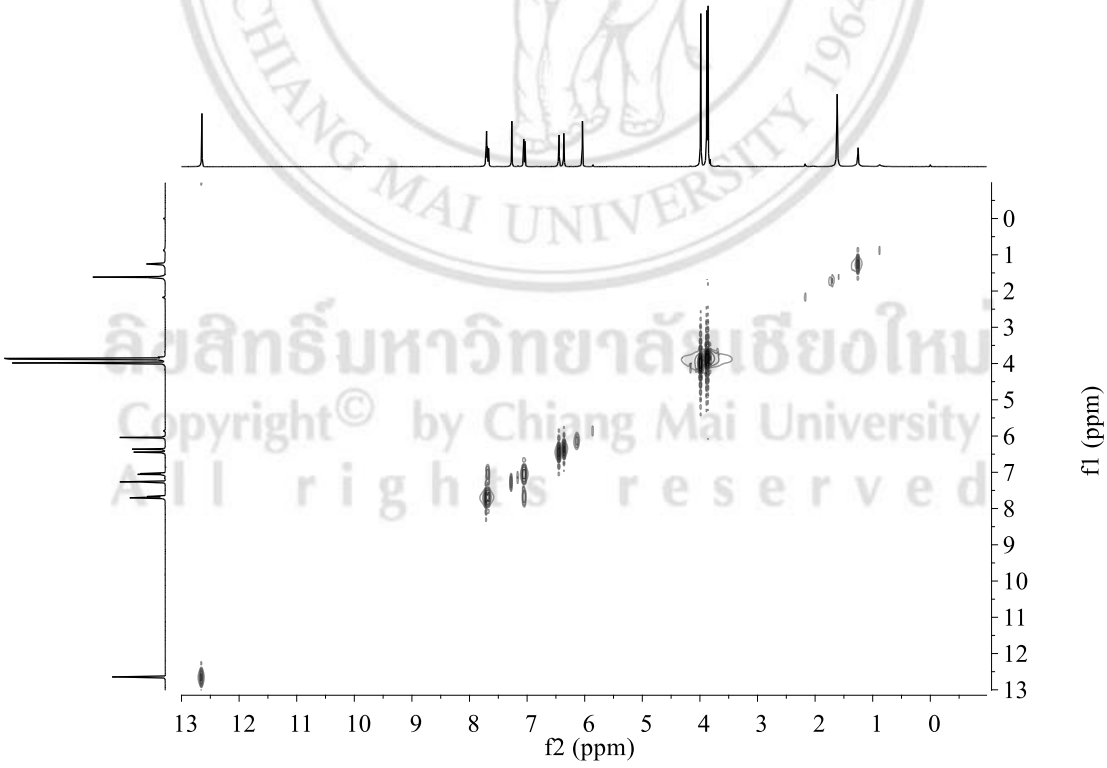


Figure B48 COSY Spectrum of Pachypodol (**MC7**) in $CDCl_3$

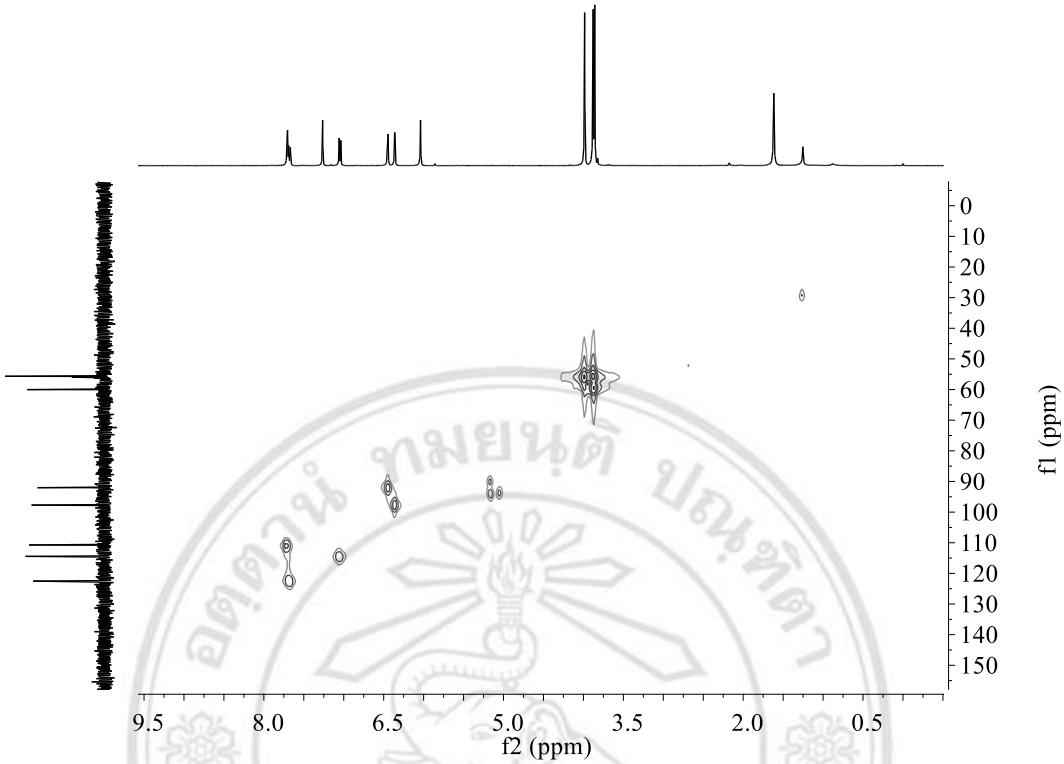


Figure B49 HMQC Spectrum of Pachypodol (**MC7**) in $CDCl_3$

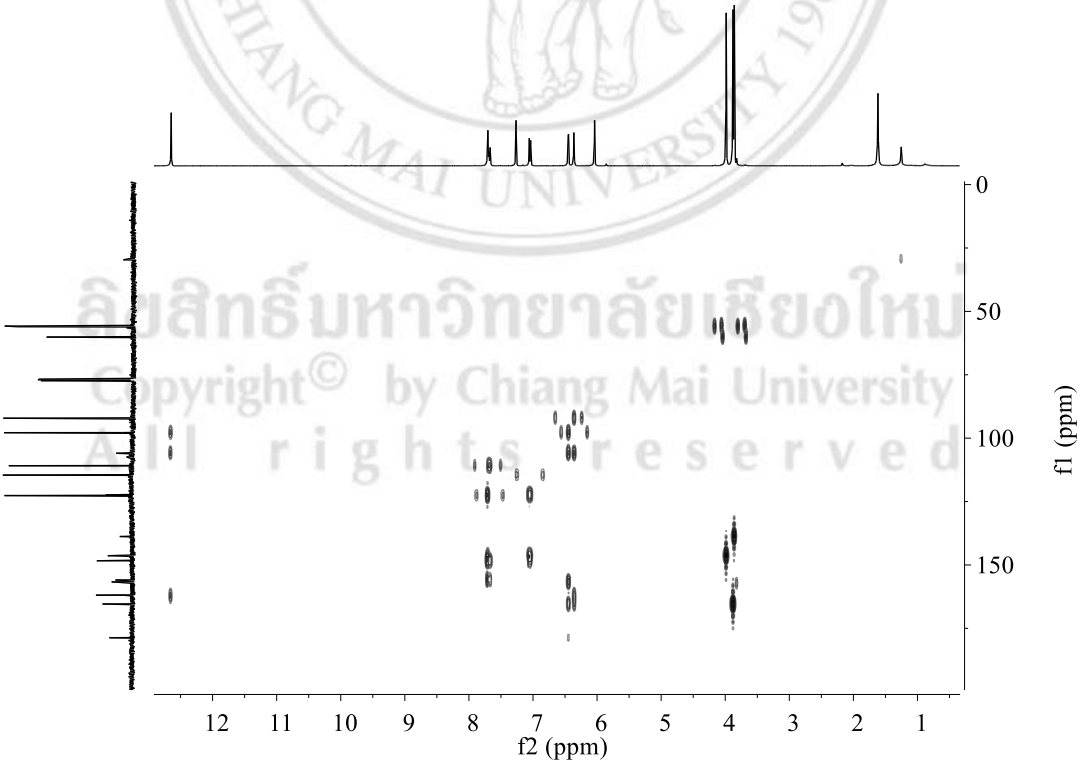


Figure B50 HMBC Spectrum of Pachypodol (**MC7**) in $CDCl_3$

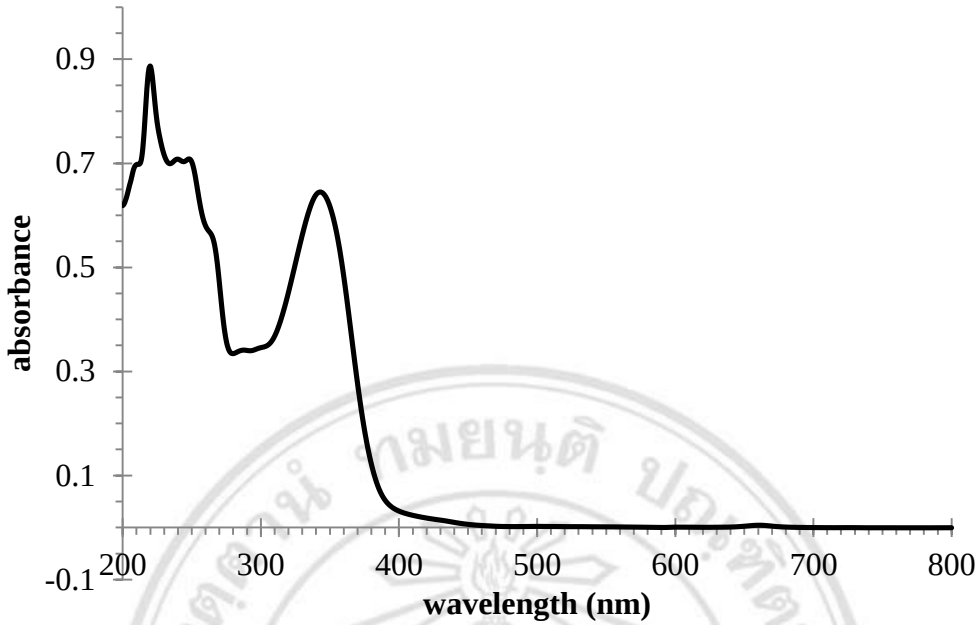


Figure B51 UV Spectrum of 4′-Hydroxy-3,5,7,3′-tetramethoxyflavone (**MC8**)

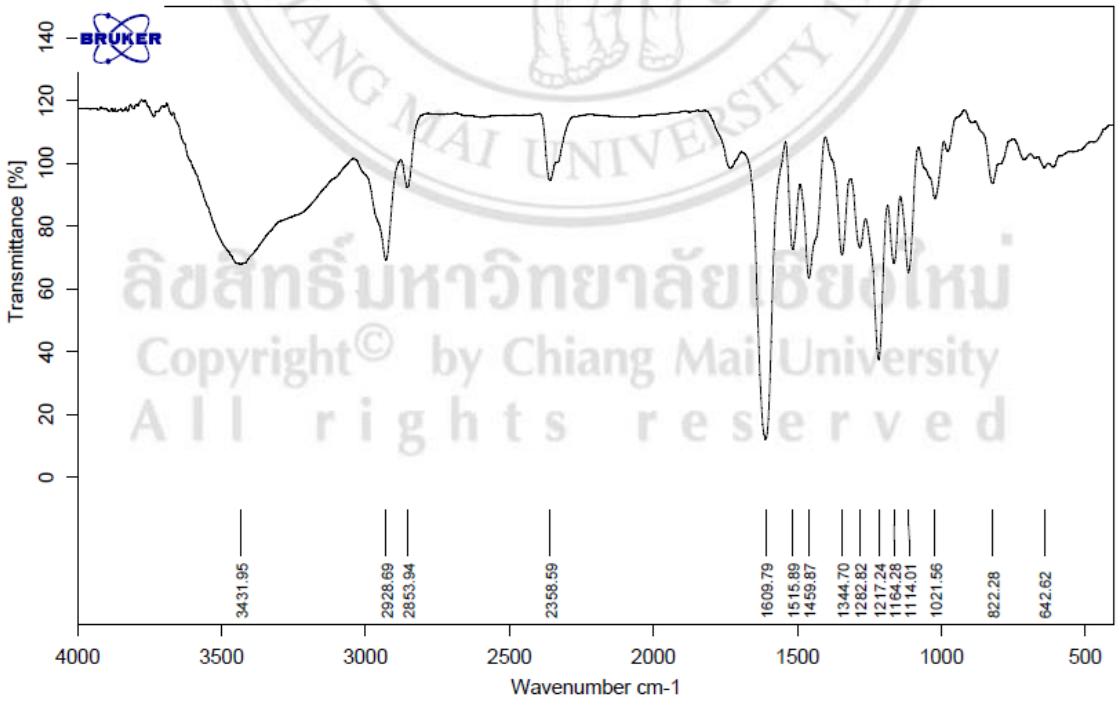


Figure B52 IR Spectrum of 4′-Hydroxy-3,5,7,3′-tetramethoxyflavone (**MC8**)

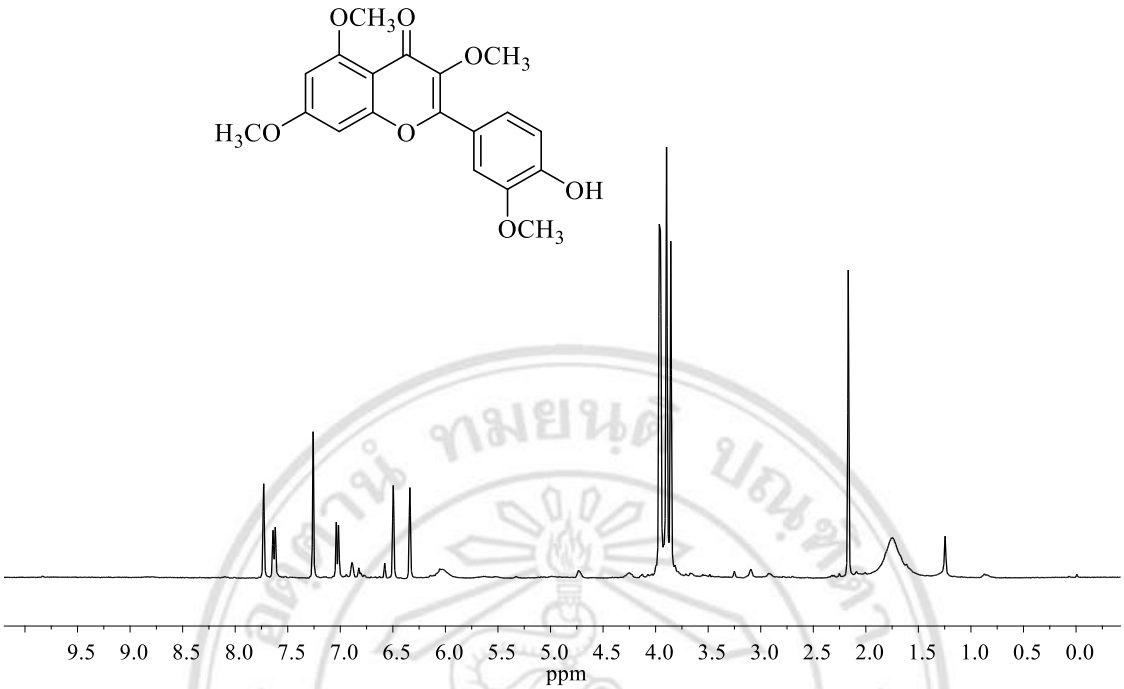


Figure B53 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of 4′-Hydroxy-3,5,7,3′-tetramethoxyflavone (**MC8**)

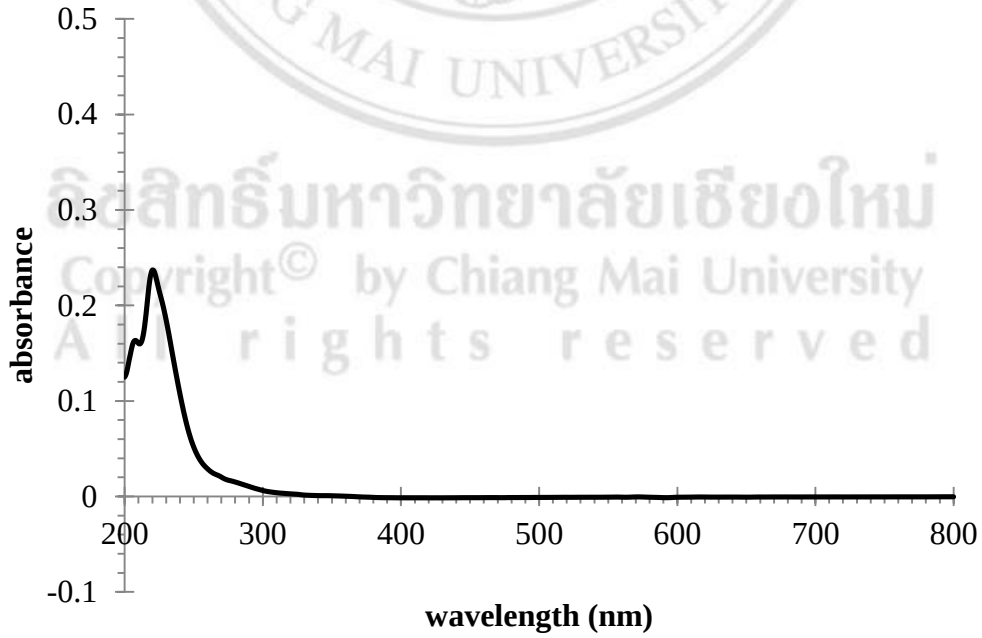


Figure B54 UV Spectrum of (+)-Miliusol (**MC9**)

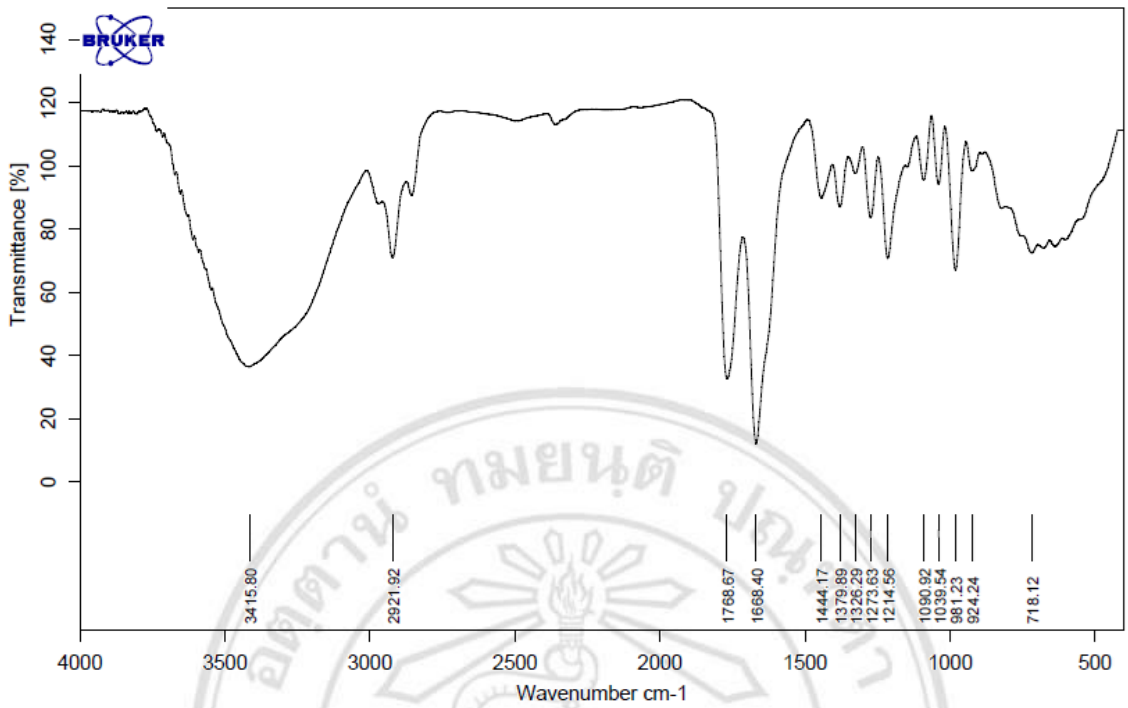


Figure B55 IR Spectrum of (+)-Miliusol (**MC9**)

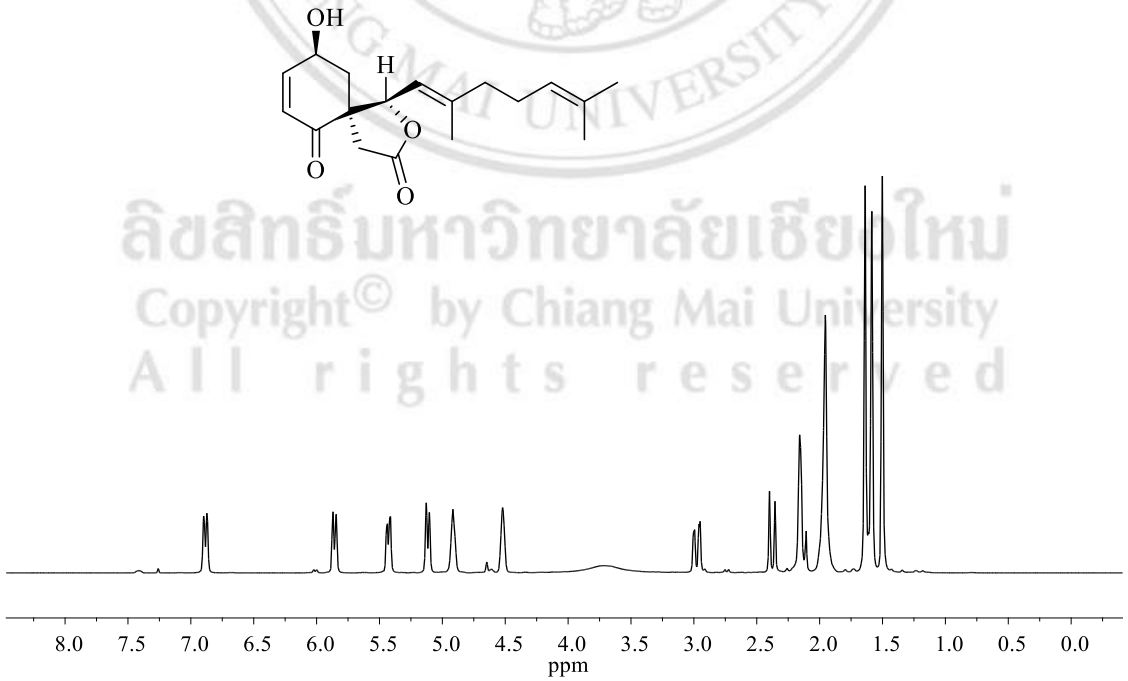


Figure B56 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of (+)-Miliusol (**MC9**)

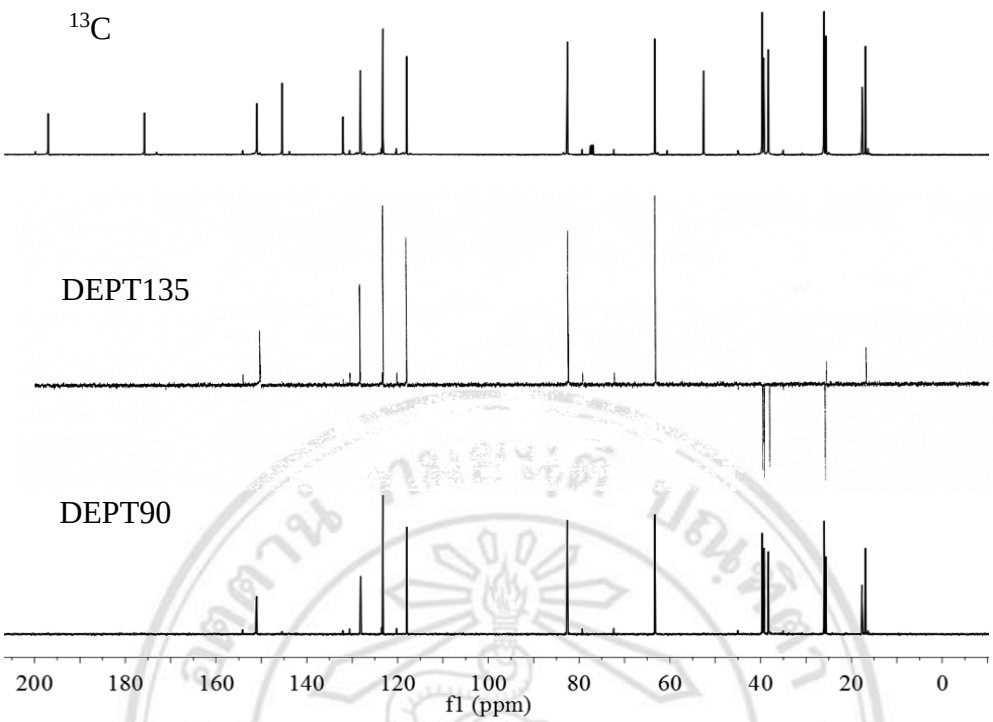


Figure B57 ^{13}C NMR, DEPT135 and DEPT90 Spectra ($CDCl_3$, 100 MHz) of (+)-Miliusol (**MC9**)

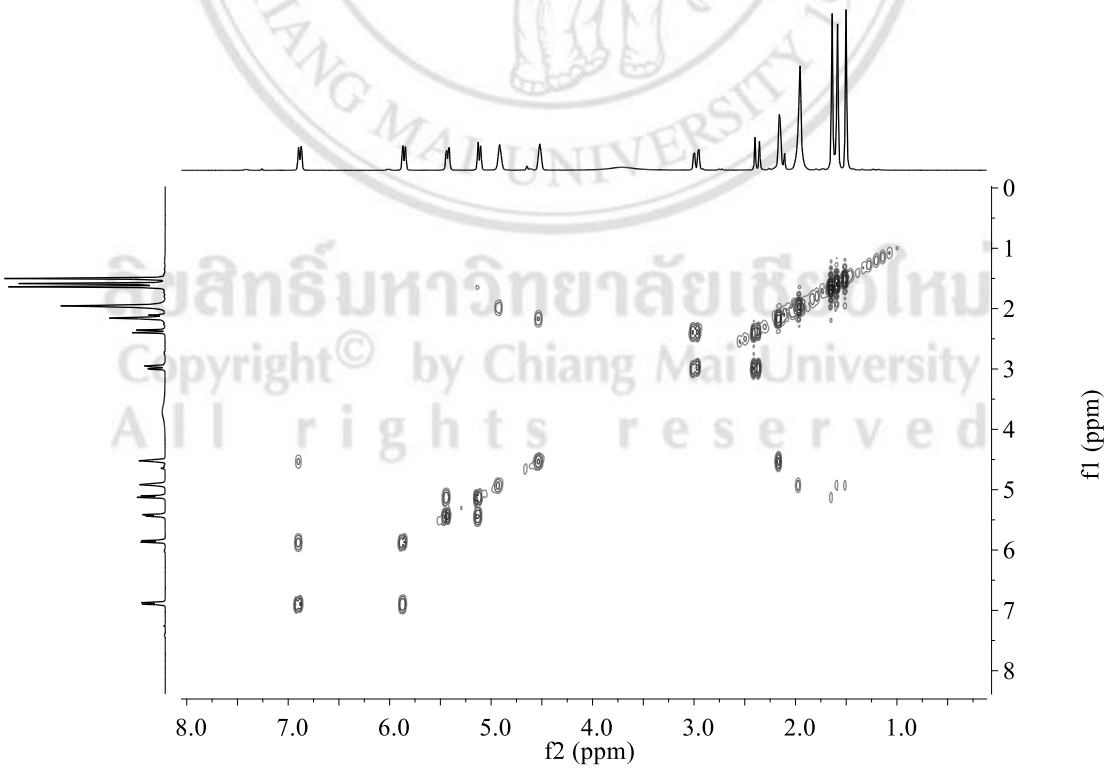


Figure B58 COSY Spectrum of (+)-Miliusol (**MC9**) in $CDCl_3$

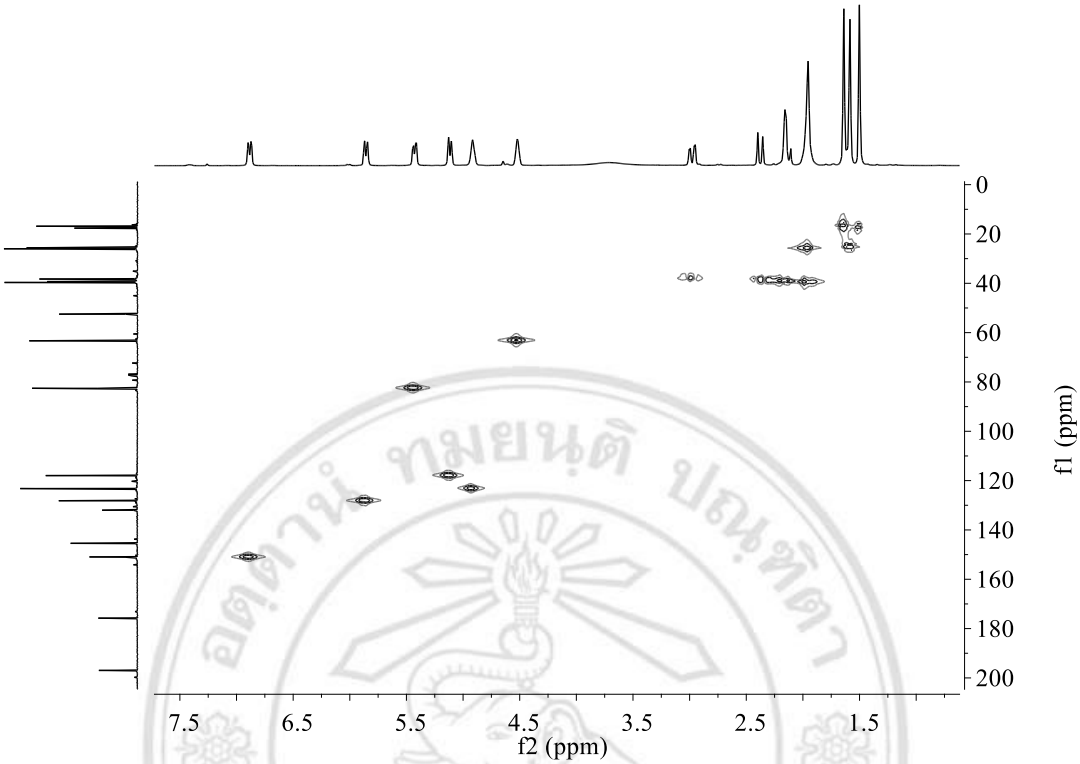


Figure B59 HMQC Spectrum of (+)-Miliusol (**MC9**) in $CDCl_3$

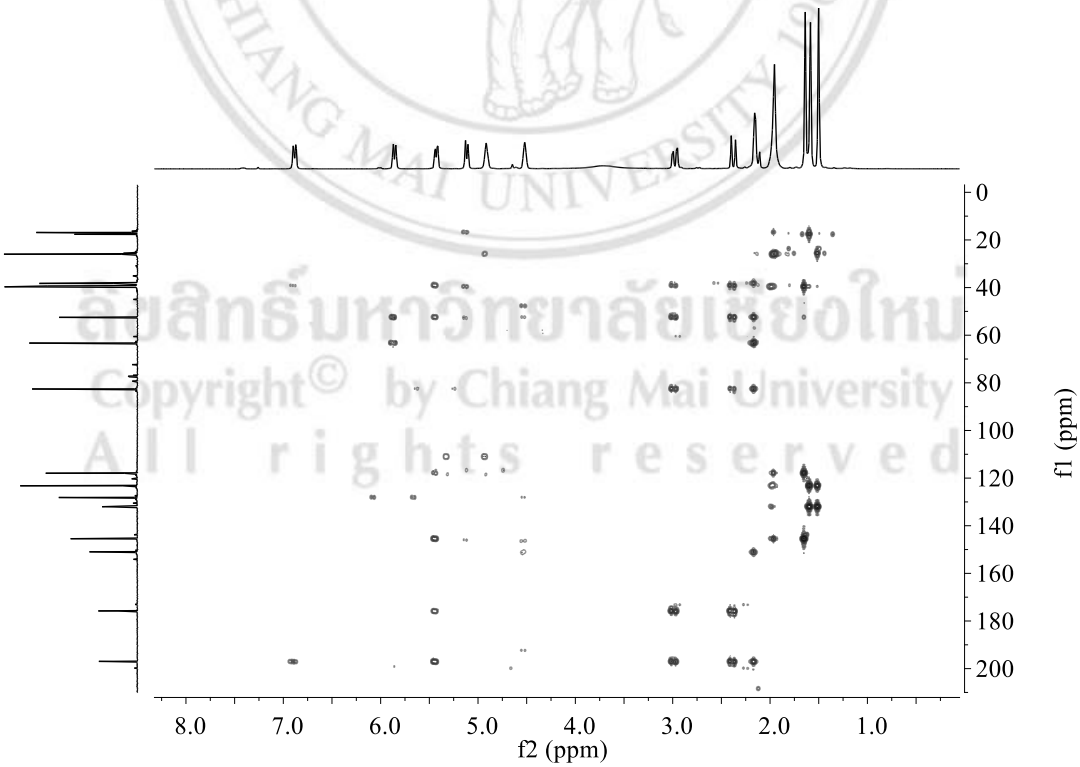


Figure B60 HMBC Spectrum of (+)-Miliusol (**MC9**) in $CDCl_3$

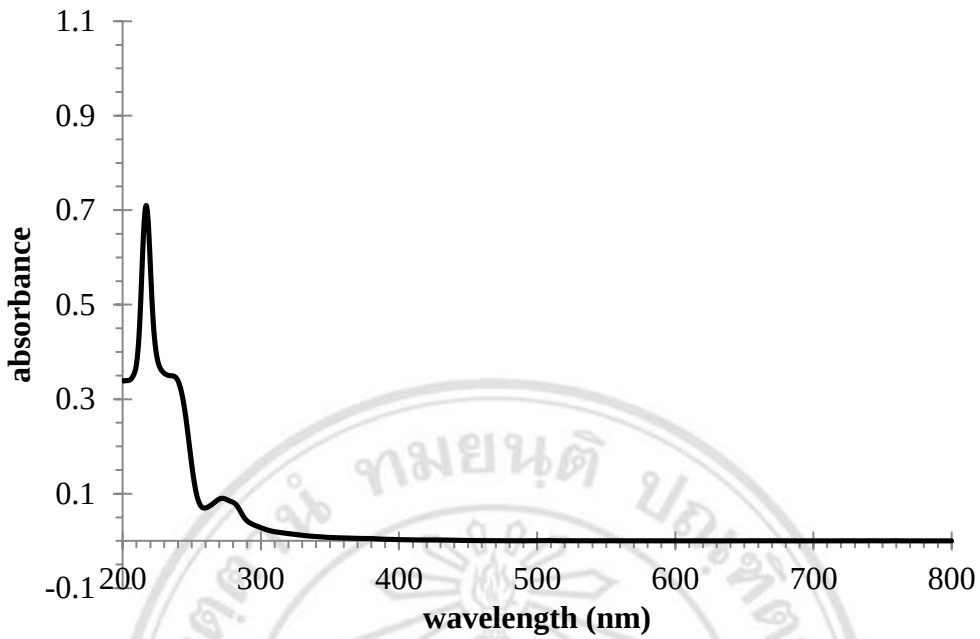


Figure B61 UV Spectrum of (+)-Syringaresinol (**MC10**)

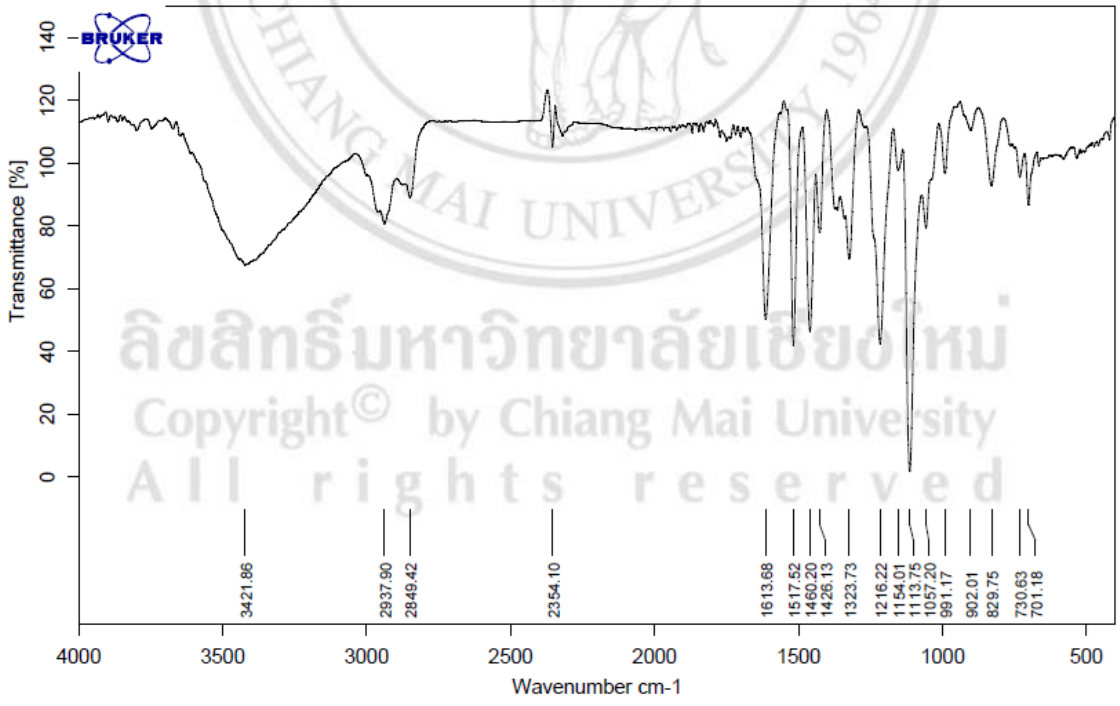


Figure B62 IR Spectrum of (+)-Syringaresinol (**MC10**)

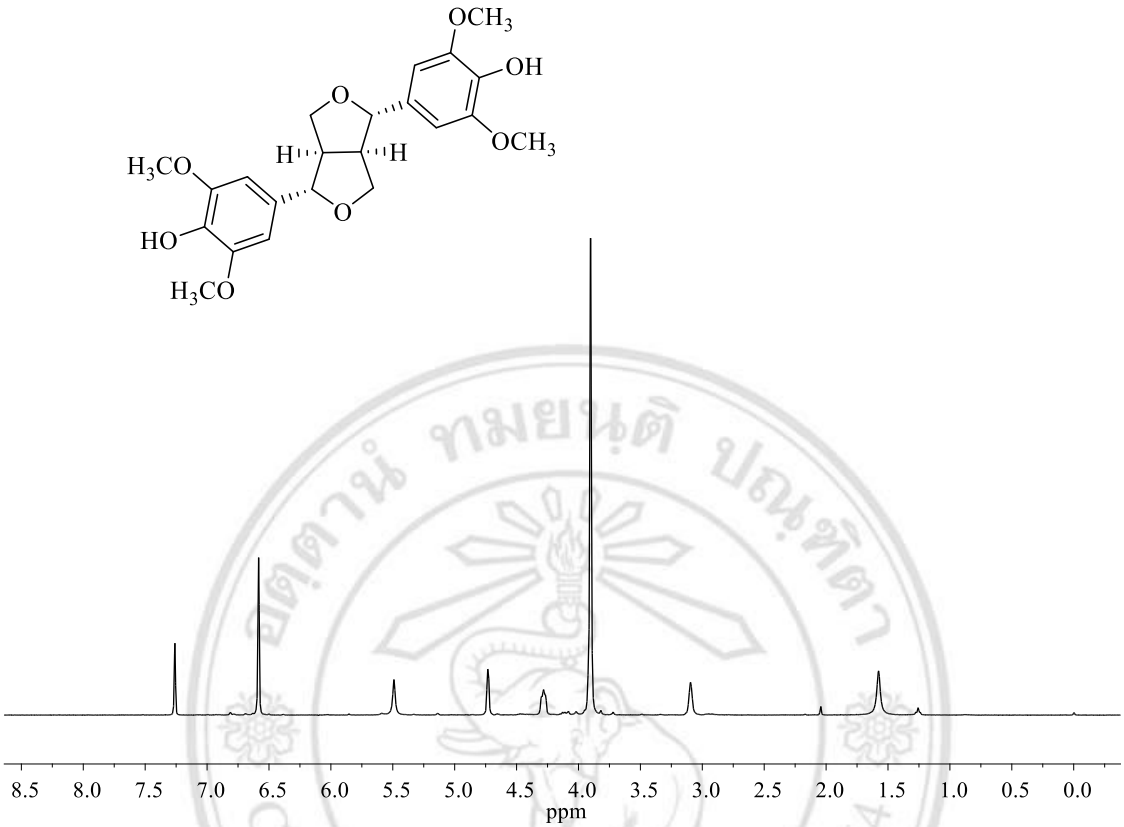


Figure B63 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of (+)-Syringaresinol (**MC10**)

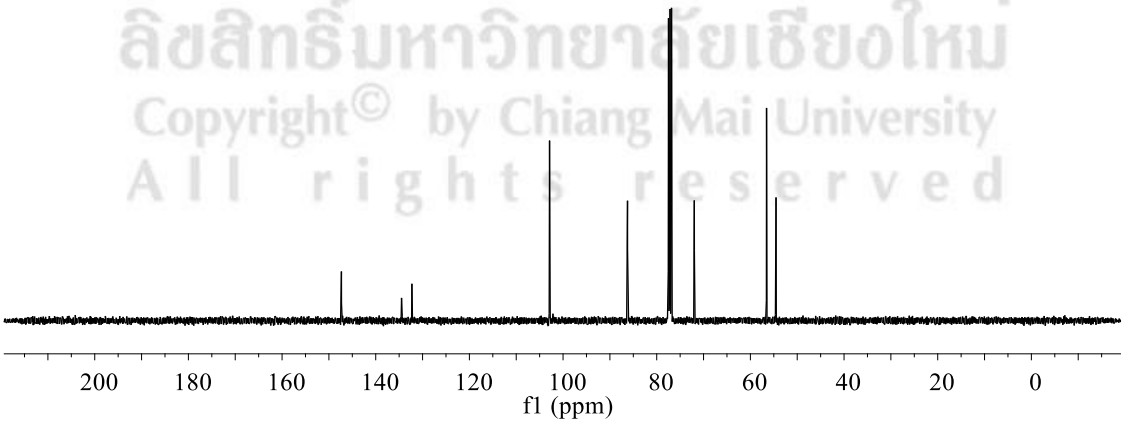


Figure B64 ^{13}C NMR Spectrum ($CDCl_3$, 100 MHz) of (+)-Syringaresinol (**MC10**)

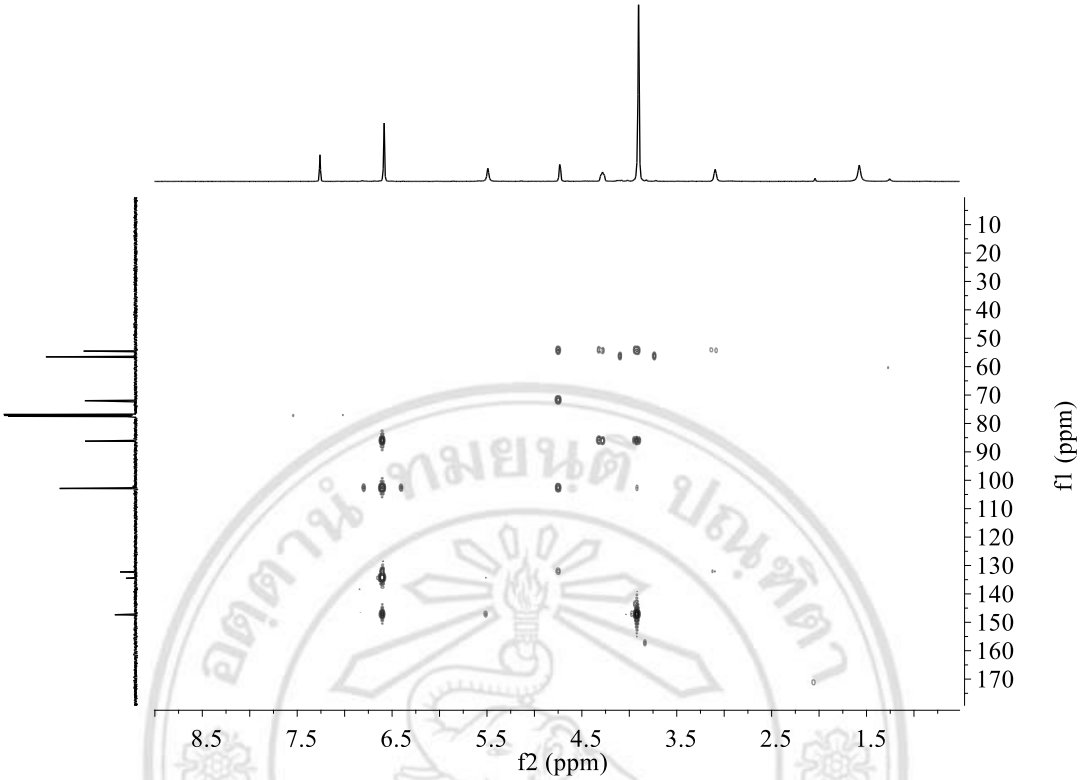


Figure B65 HMBC Spectrum of (+)-Syringaresinol (**MC10**) in $CDCl_3$

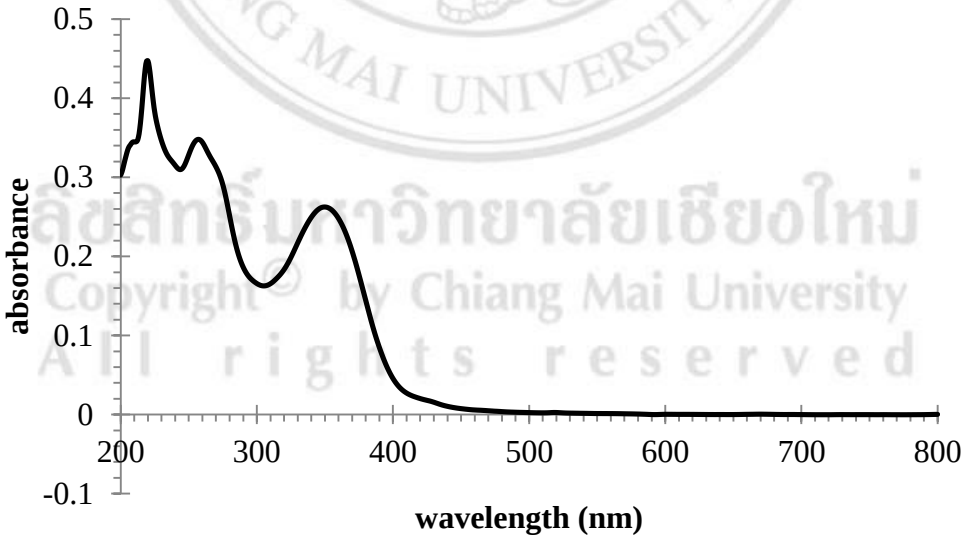


Figure B66 UV Spectrum of Chrysoplenetin (**MC11**)

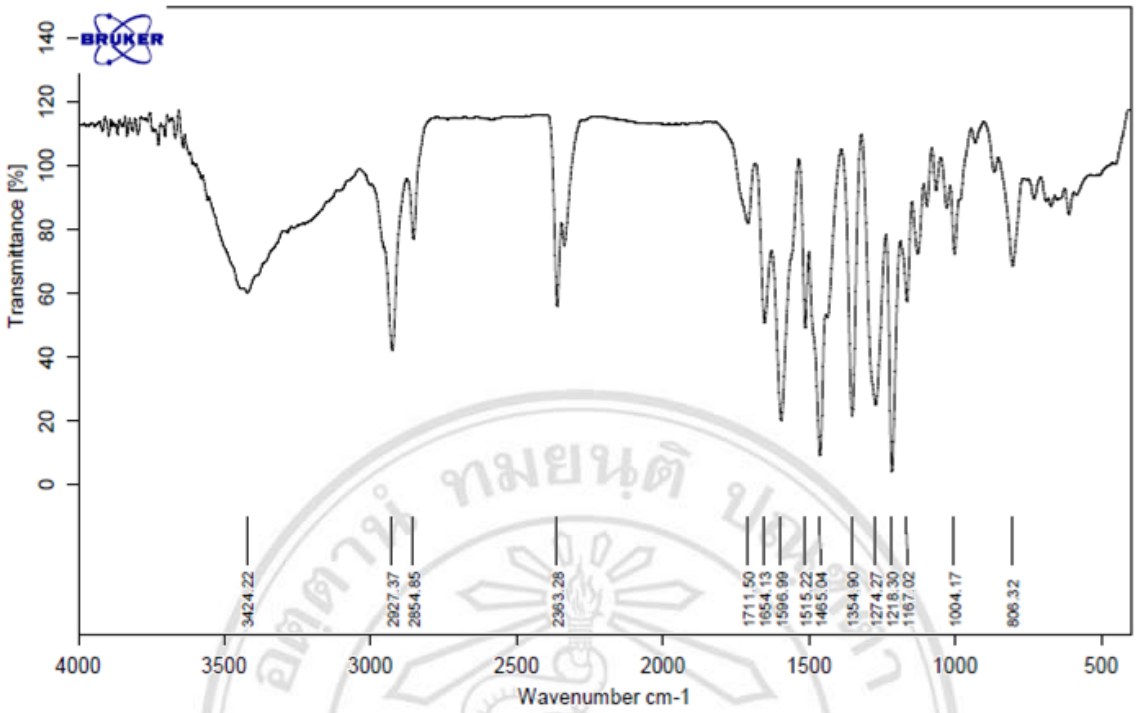


Figure B67 IR Spectrum of Chrysoplenetin (**MC11**)

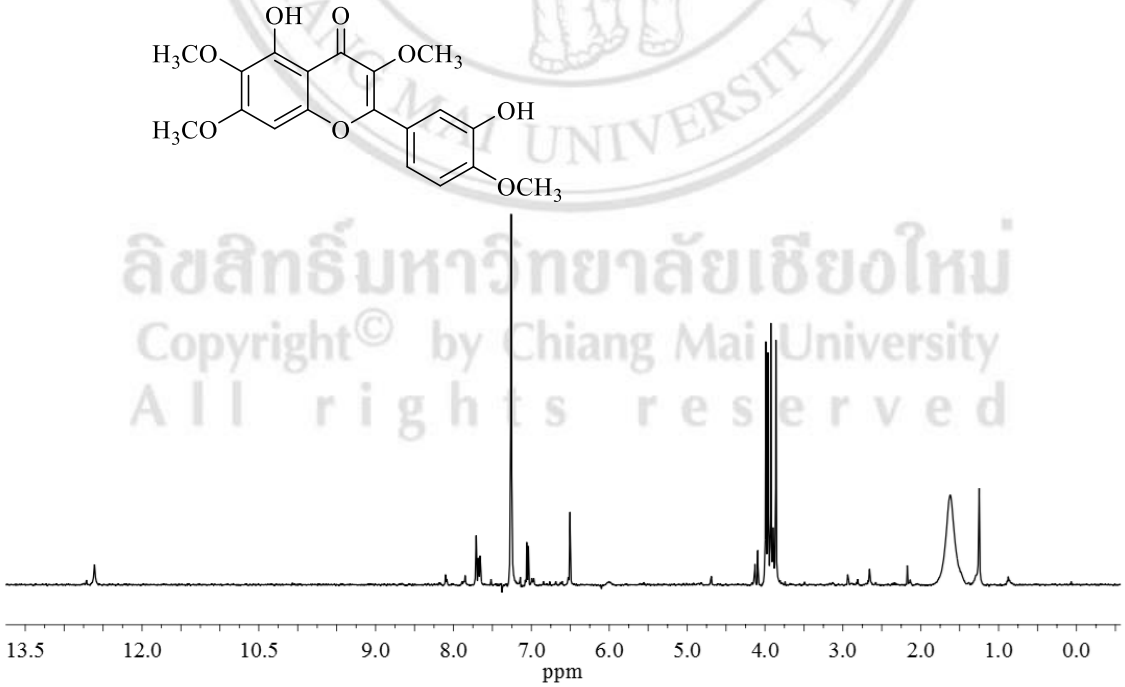


Figure B68 ^{1}H NMR Spectrum ($CDCl_3$, 400 MHz) of Chrysoplenetin (**MC11**)

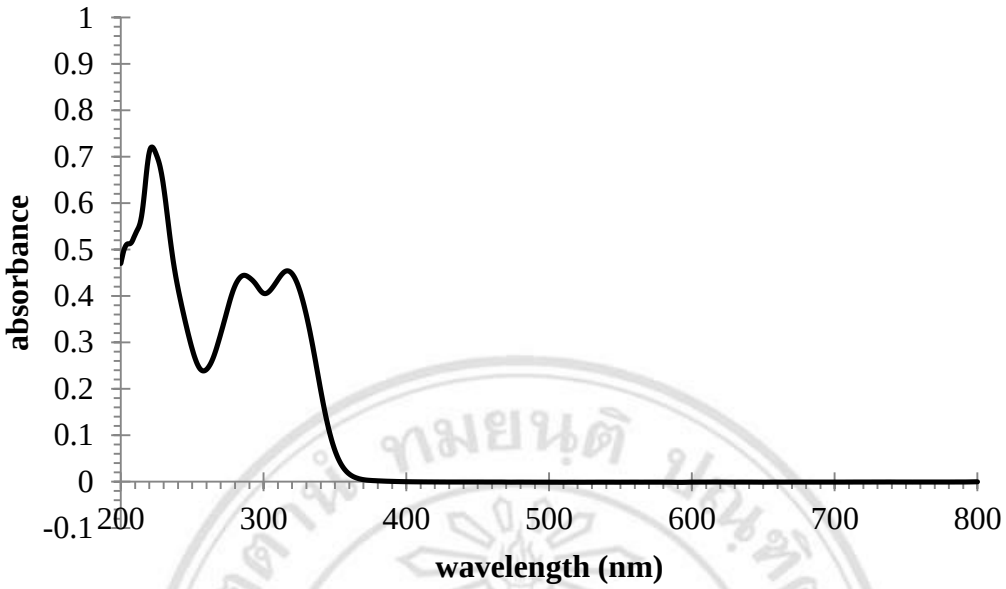


Figure B69 UV Spectrum of *trans*-*N*-Feruloyltyramine (**MC12**)

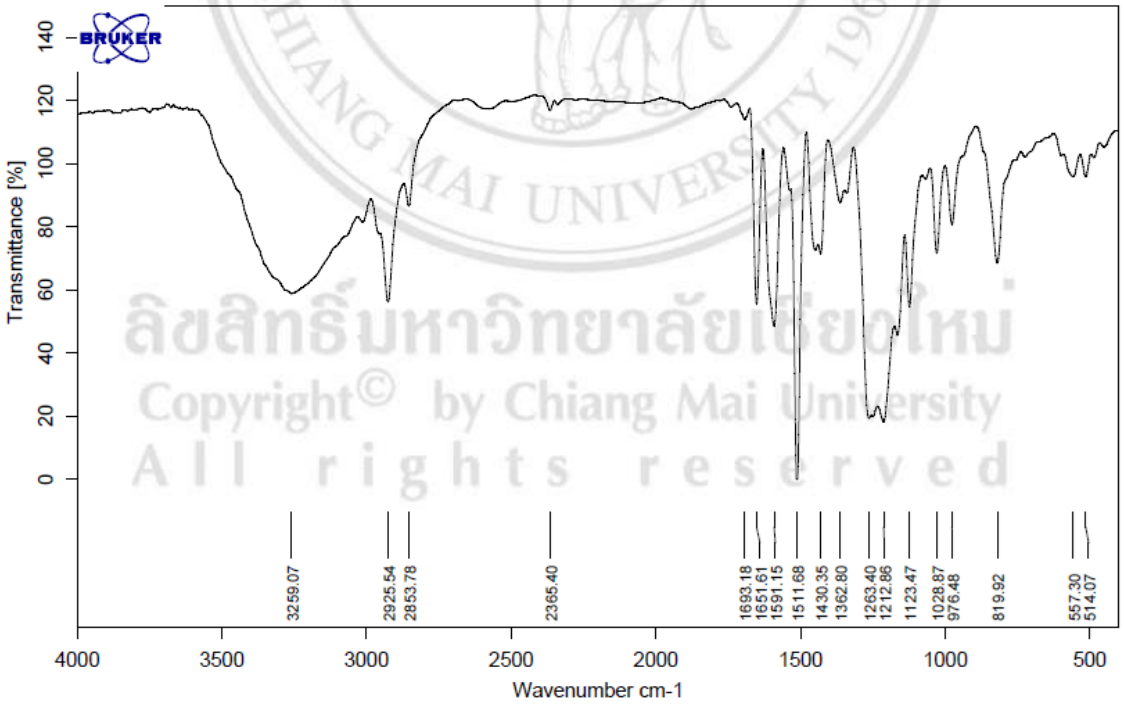


Figure B70 IR Spectrum of *trans*-*N*-Feruloyltyramine (**MC12**)

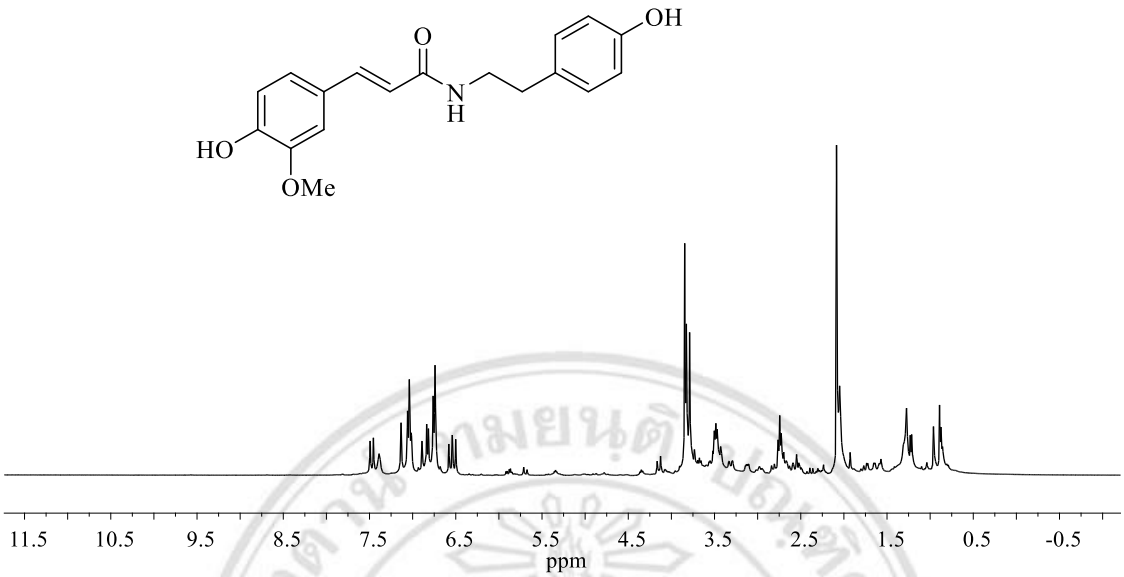


Figure B71 ^{1}H NMR Spectrum (acetone-d_6, 400 MHz) of *trans*-*N*-Feruloyltyramine (**MC12**)

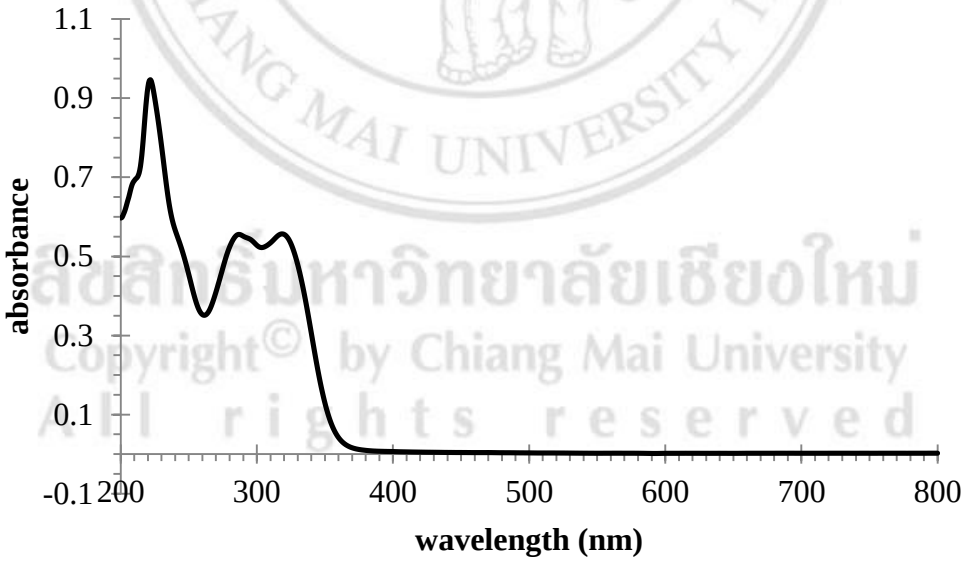


Figure B72 UV Spectrum of *trans*-*N*-Caffeoyltyramine (**MC13**)

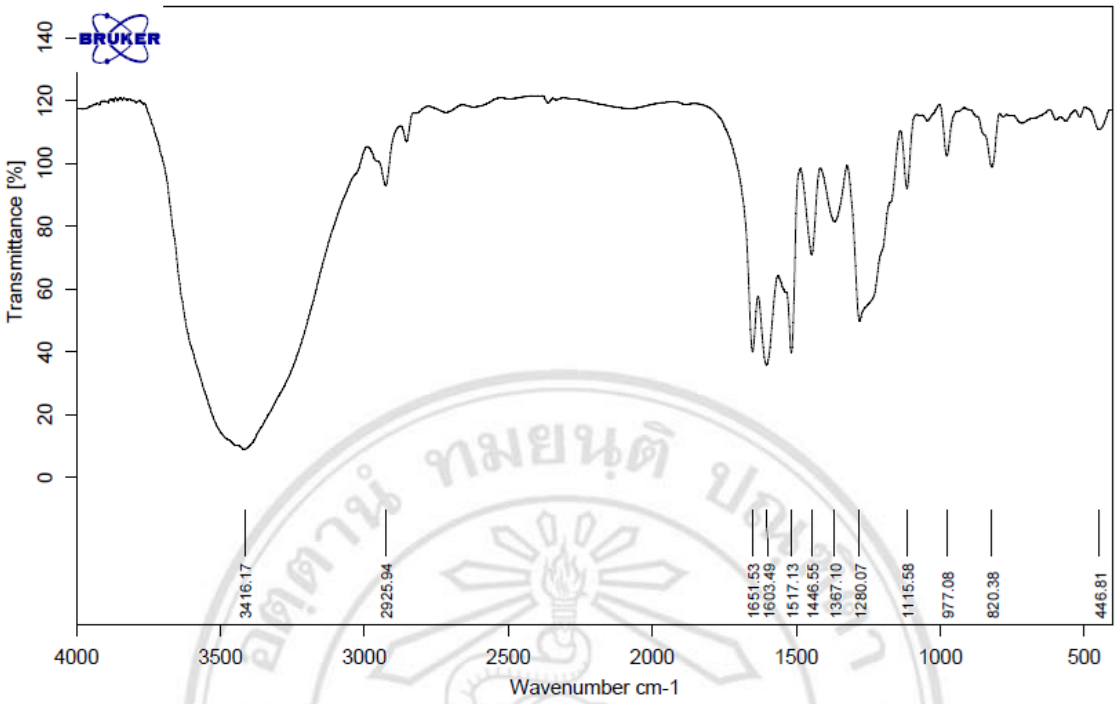


Figure B73 IR Spectrum of *trans*-*N*-Caffeoyltyramine (**MC13**)

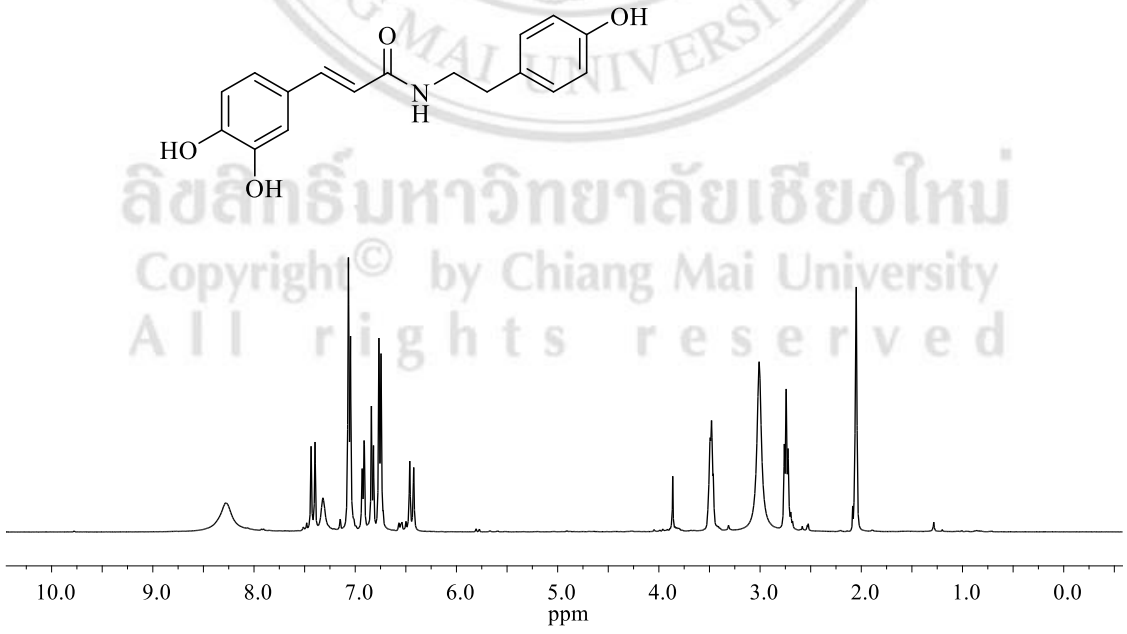


Figure B74 ^{1}H NMR Spectrum (acetone-d_6, 400 MHz) of *trans*-*N*-Caffeoyltyramine (**MC13**)

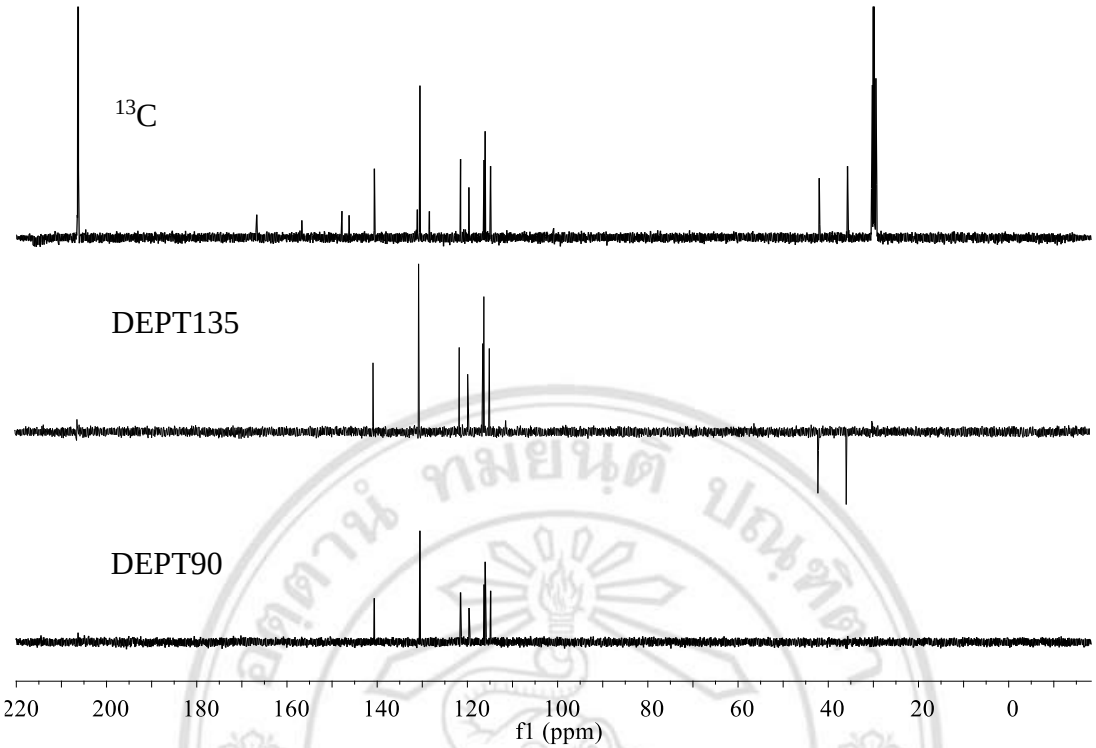


Figure B75 ^{13}C NMR, DEPT135 and DEPT90 Spectra (acetone-d_6, 100 MHz) of *trans*-*N*-Caffeoyltyramine (**MC13**)

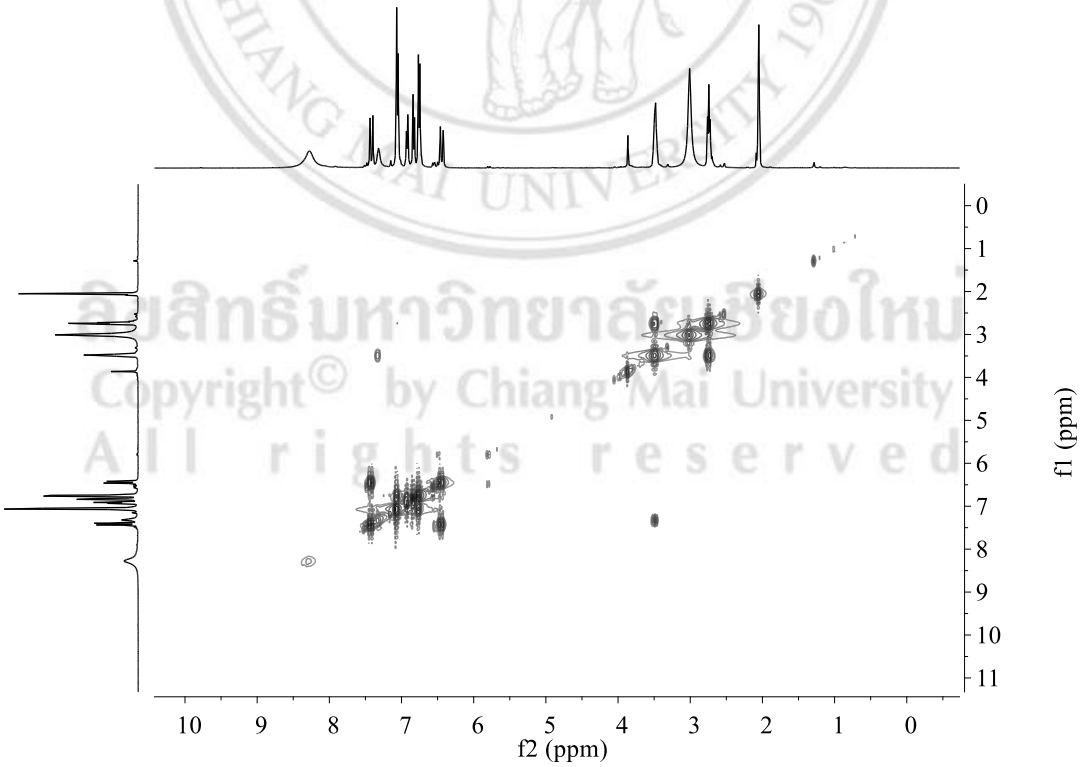


Figure B76 COSY Spectrum of *trans*-*N*-Caffeoyltyramine (**MC13**) in Acetone-d_6

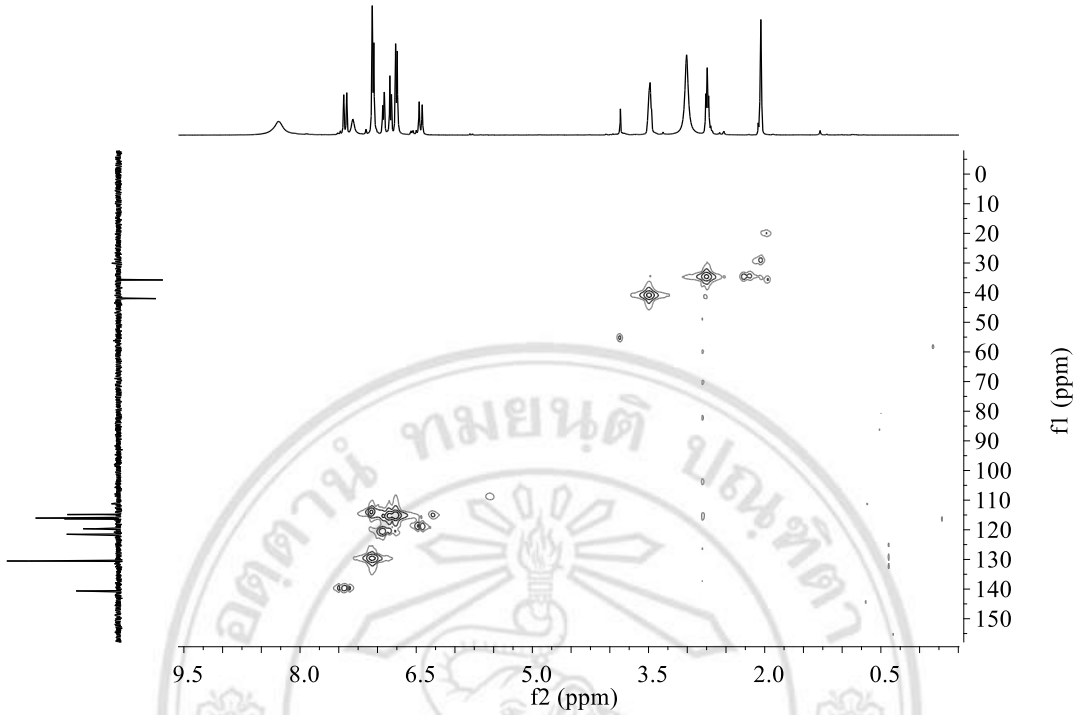


Figure B77 HMQC Spectrum of *trans*-*N*-Caffeoyltyramine (**MC13**) in Acetone-d_6

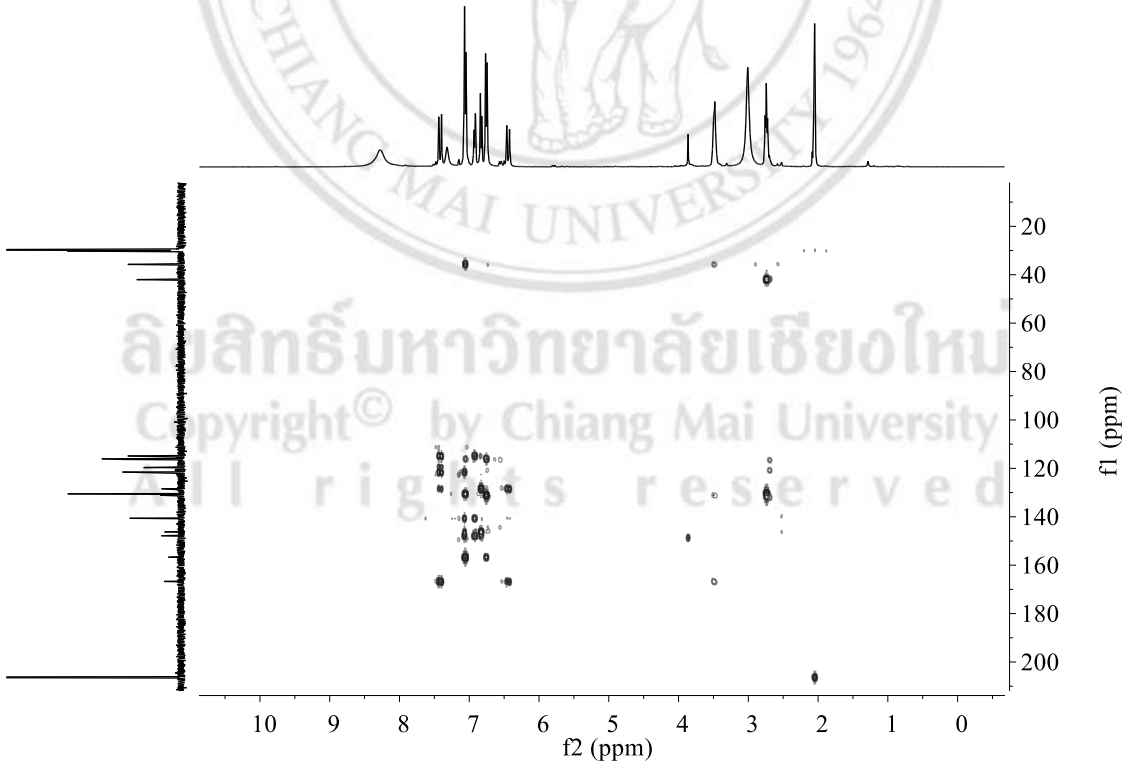


Figure B78 HMBC Spectrum of *trans*-*N*-Caffeoyltyramine (**MC13**) in Acetone-d_6

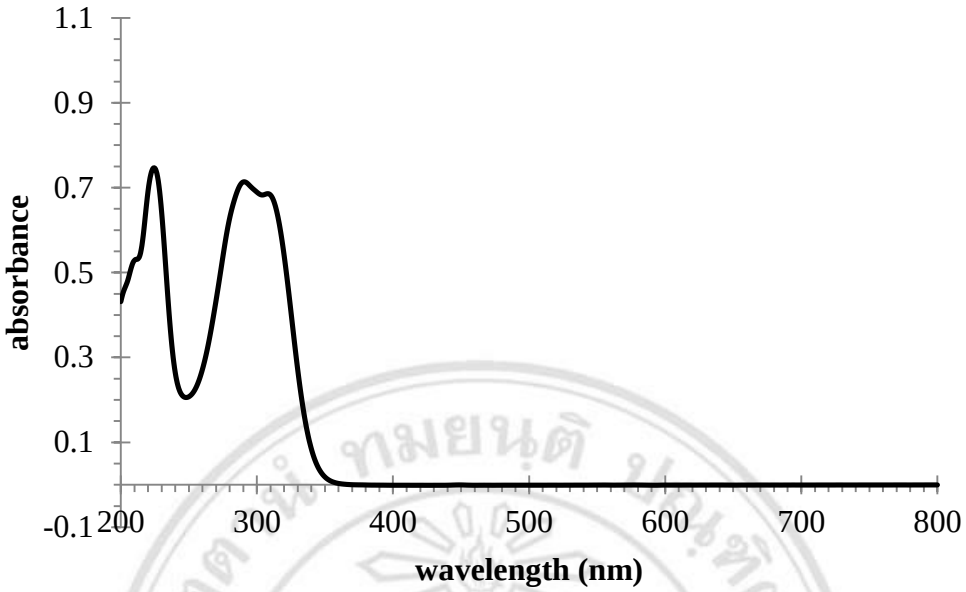


Figure B79 UV Spectrum of *trans*-*N*-Coumaroyltyramine (**MC14**)

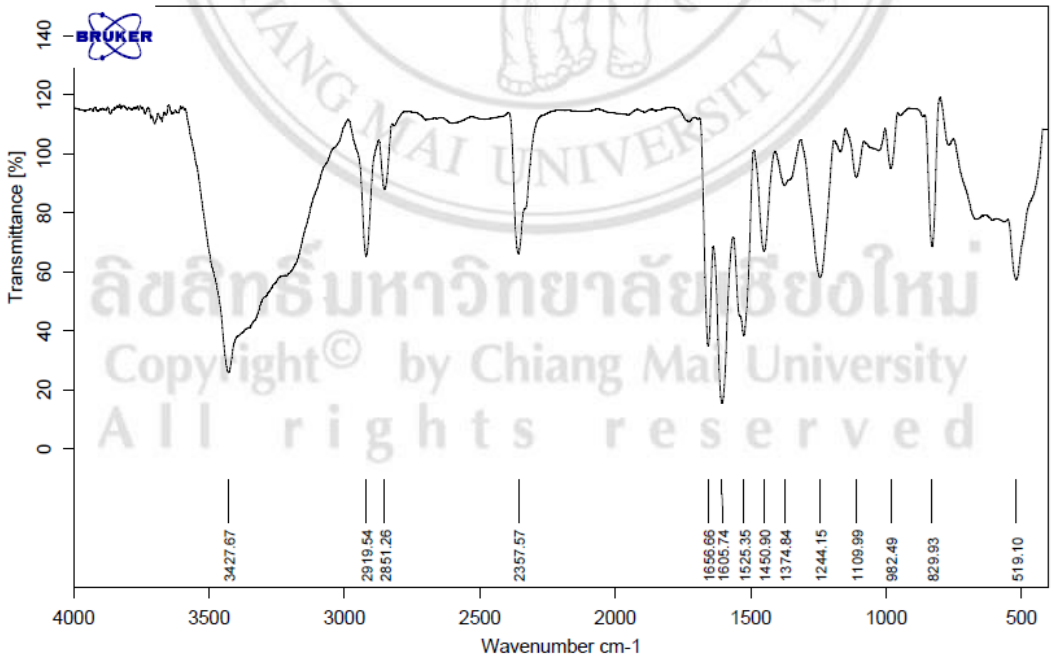


Figure B80 IR Spectrum of *trans*-*N*-Coumaroyltyramine (**MC14**)

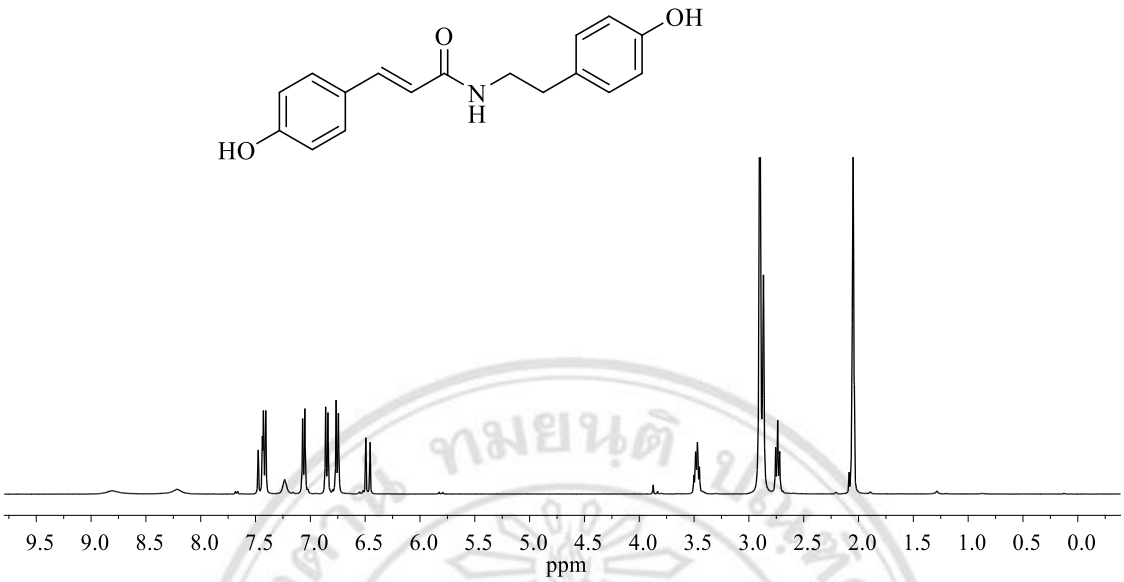


Figure B81 ^{1}H NMR Spectrum (acetone-d_6, 400 MHz) of *trans*-*N*-Coumaroyltyramine (**MC14**)

CURRICULUM VITAE

Author's Name	Miss Atchara Jaidee	
Date/Year of Birth	28th December 1986	
Place of Birth	Chiang Mai Province, Thailand	
Education	2009	B.S., Department of Chemistry, Faculty of Science, Chiang Mai Rajabhat University, Chiang Mai, Thailand.
	2012	M.S., Department of Chemistry, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand.
	2015	Ph.D., Department of Chemistry, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand.
Scholarships	2012-2014	Human Resource Deverlopment in science Project (Science Achievement Scholarship of Thailand, SAST)
	2015	Graduate school, Chiang Mai University