

Supporting Information

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Phytochemical and antileishmanial activity studies on the tubers of *Cyclamen rohlfsianum* Asch.

Ali Mansour Abdul Hafid Abdelmula¹, Kaya Süer², Emrah Güler³, Ahmet Özbilgin⁴, İbrahim Çavuş⁴, Leonie Kayser⁵ and İhsan Çalış^{6*}

¹Near East University, Faculty of Medicine, Department of Microbiology and Clinical Microbiology, Lefkoşa, Turkish Republic of Northern Cyprus

²Near East University, Faculty of Medicine, Department of Clinical Microbiology and Infectious Illnesses, Lefkoşa, Turkish Republic of Northern Cyprus

³European University of Lefke, Faculty of Arts and Sciences, Department of Molecular Biology and Genetics, Lefke, Turkish Republic of Northern Cyprus

⁴Manisa Celal Bayar University, Faculty of Medicine, Department of Medical Parasitology, Manisa, Türkiye,

⁵University of Regensburg, Faculty of Chemistry and Pharmacy, Pharmaceutical Biology department, Universitätsstraße 31, 93053 Regensburg, Germany

⁶Near East University, Faculty of Pharmacy, Department of Pharmacognosy Turkish Republic of Northern Cyprus

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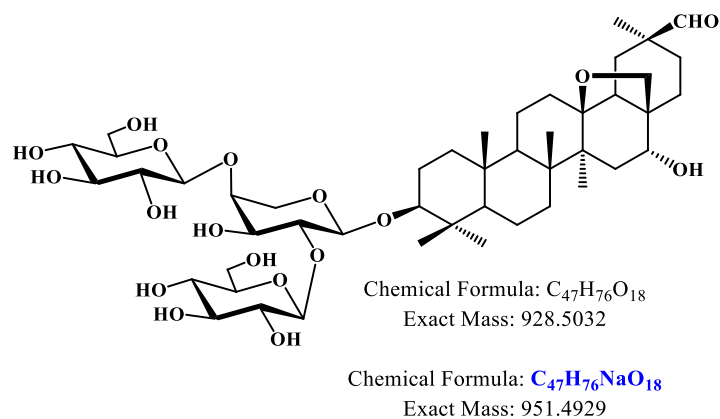


Figure S1. The structure of Cyclaminorin (1)

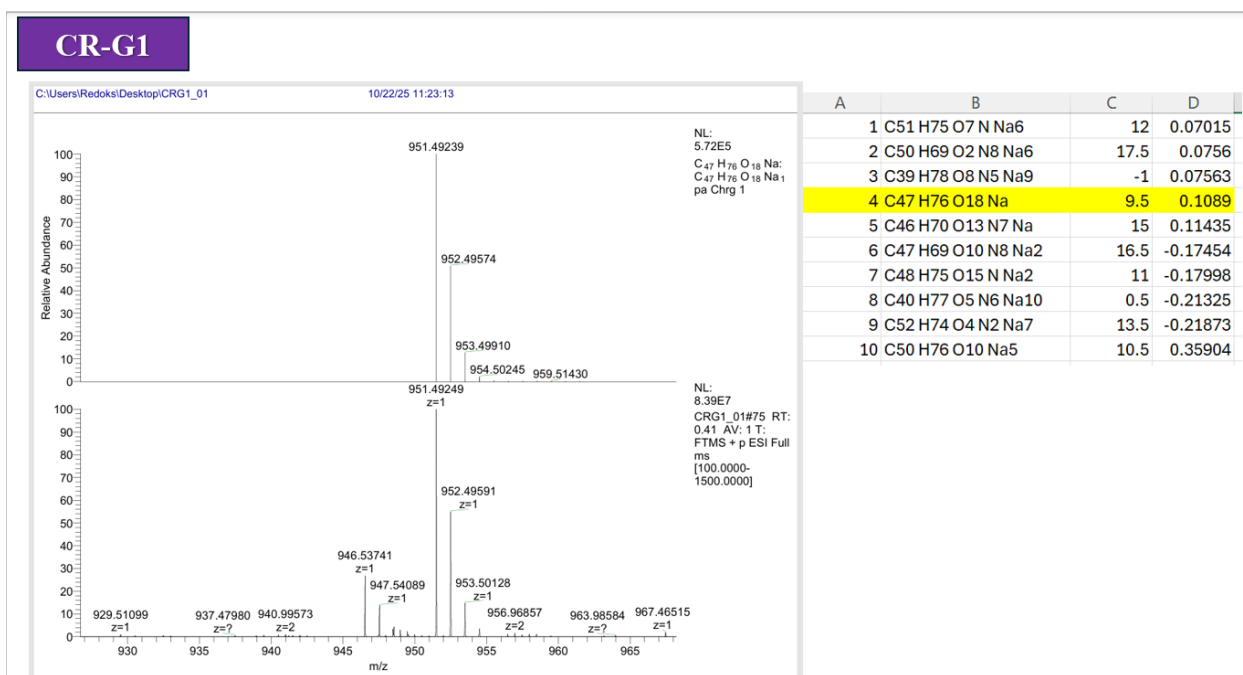
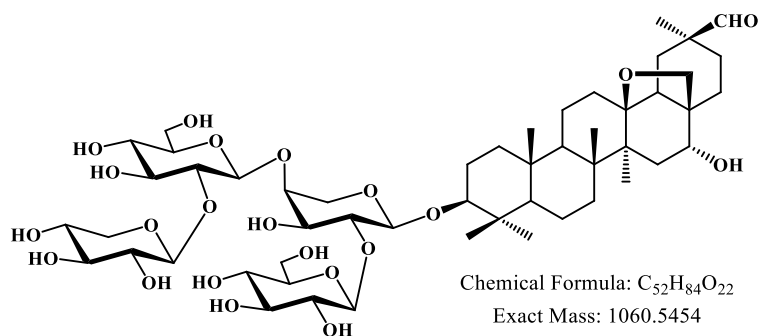


Figure S1.1. (+)-HRMS of Cyclaminorin (1)



Chemical Formula: $C_{52}H_{84}NaO_{22}$
Exact Mass: 1083.5352

Figure S2. The structure of Deglucocyclamin (2)

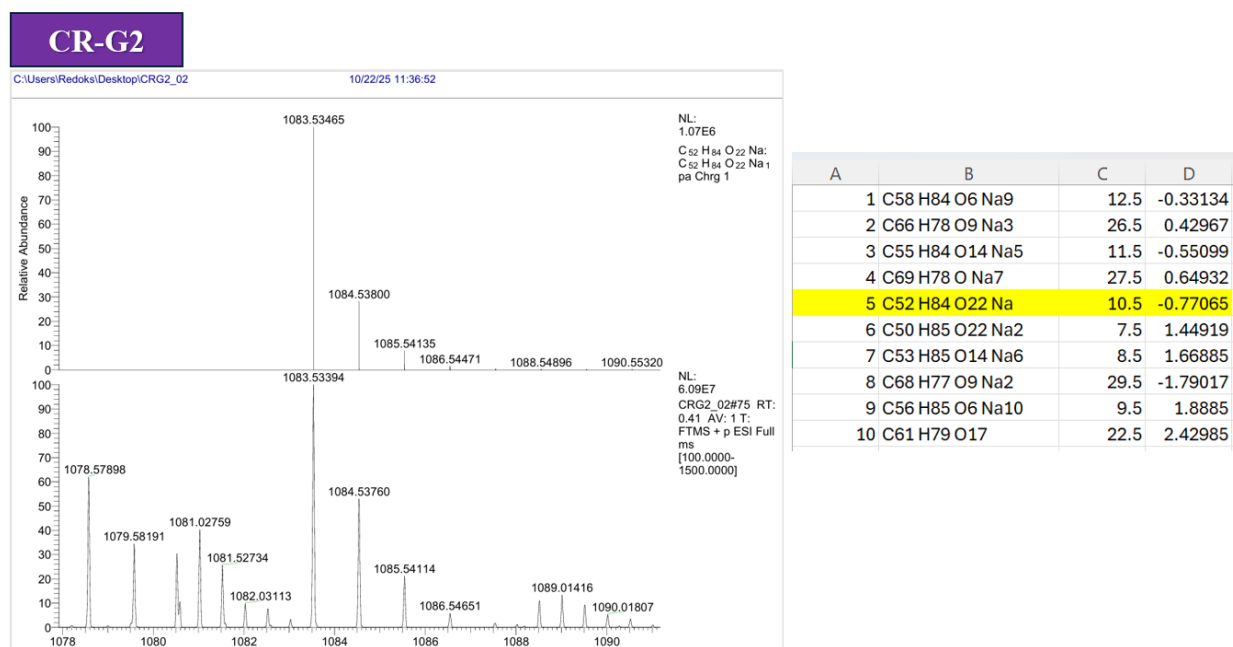


Figure S2.1. (+)-HRMS of Deglucocyclamin (2)

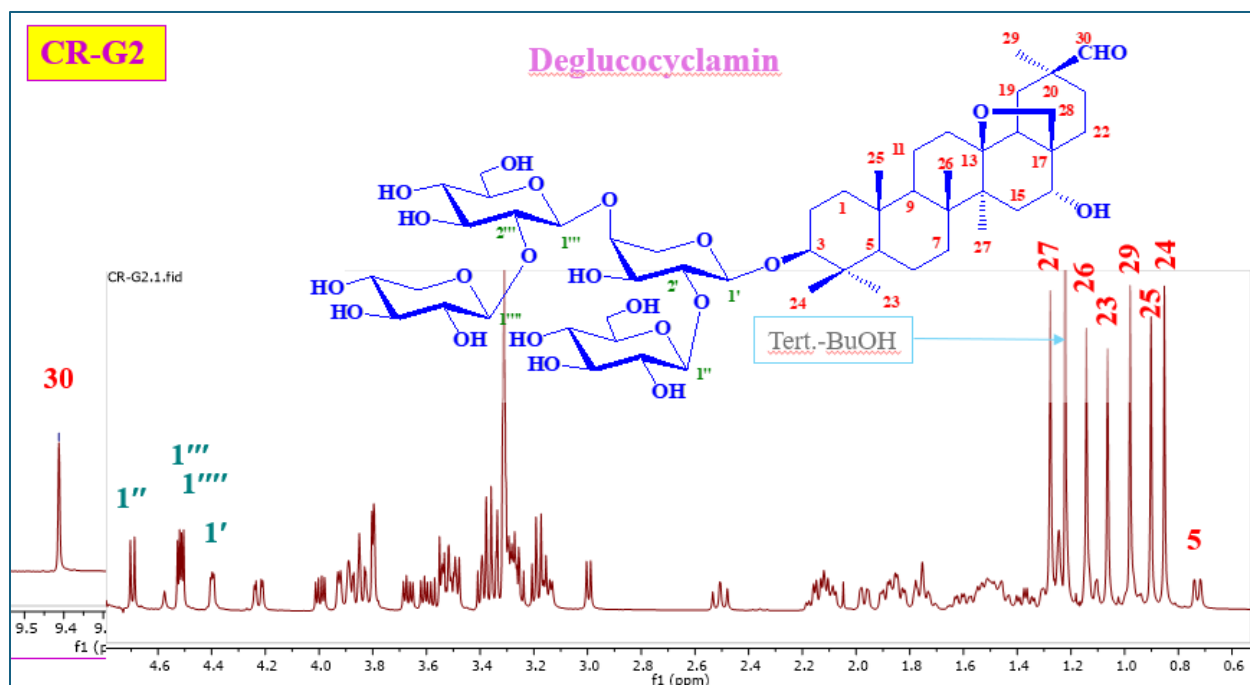


Figure S2.2. ^1H -NMR spectrum of Deglucocyclamin (2) (500 MHz, CD_3OD)

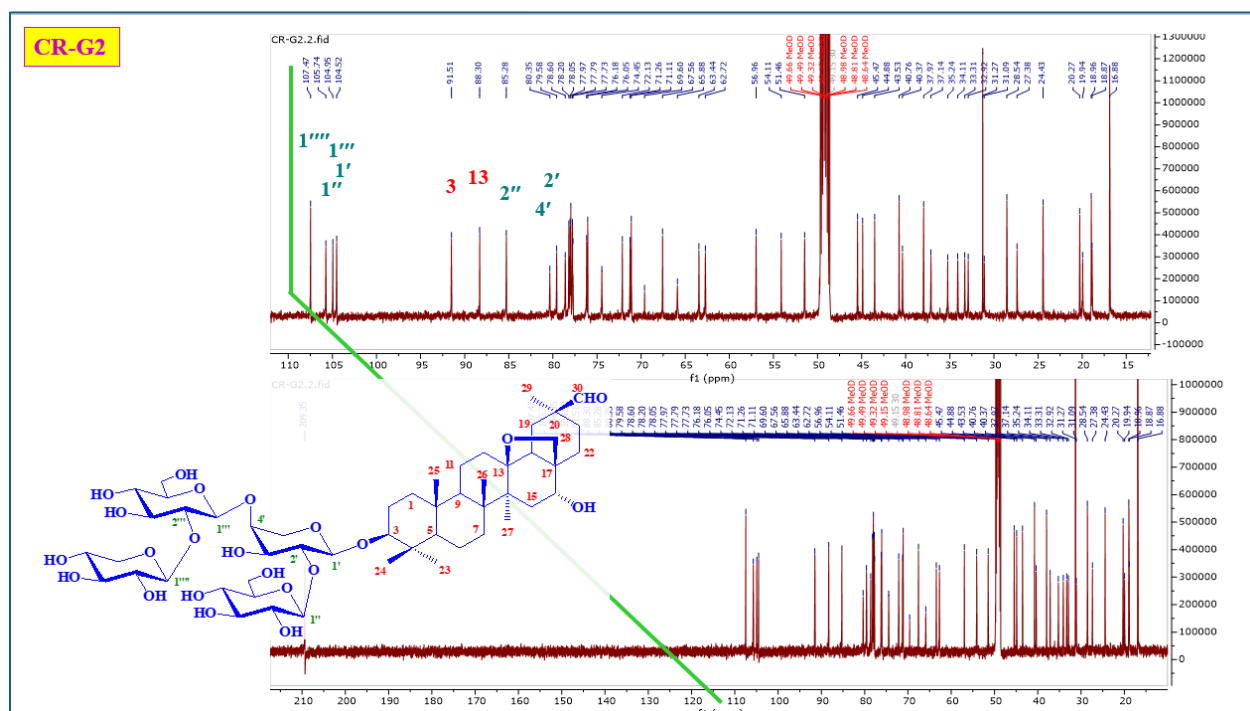


Figure S2.3. ^{13}C -NMR spectrum of Deglucocyclamin (2) (125 MHz, CD_3OD)

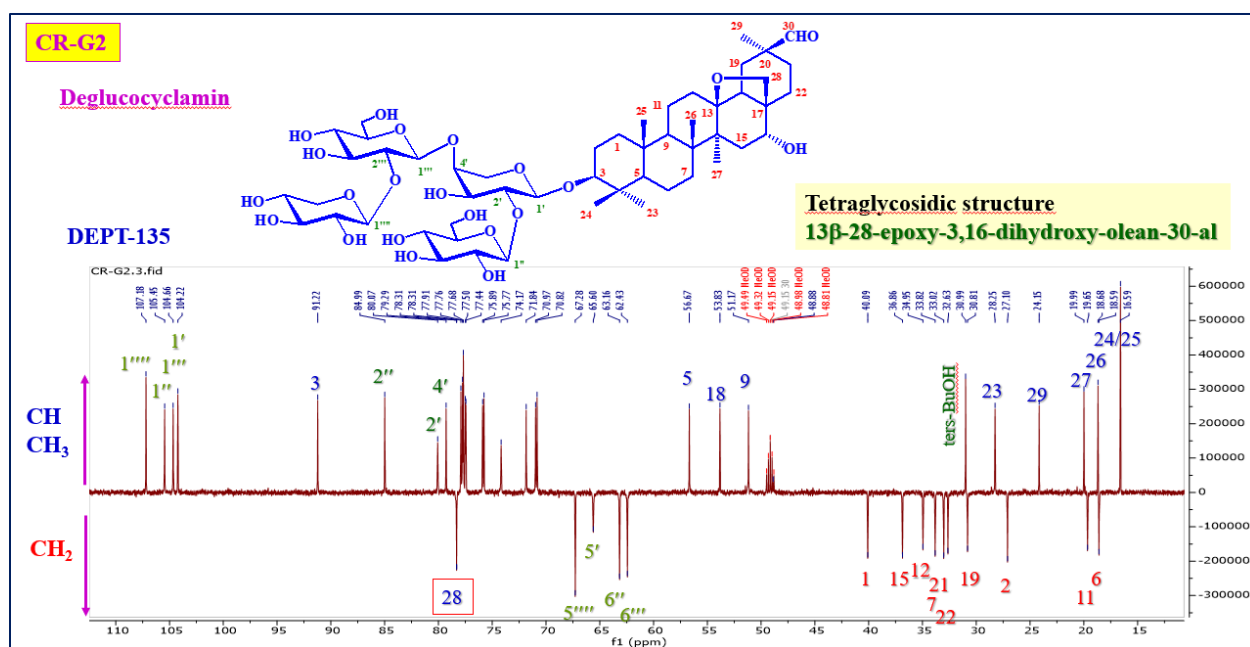


Figure S2.4. DEP135 of Deglucocyclamin (2)

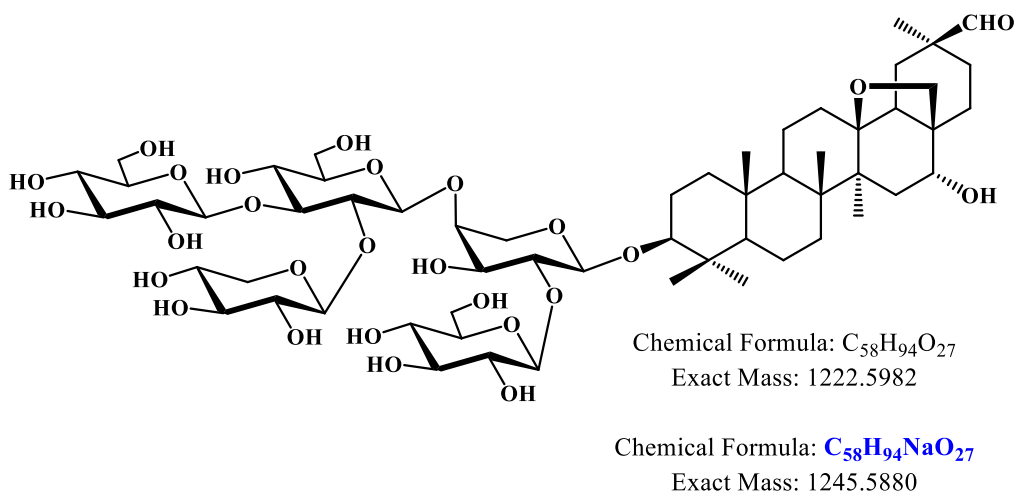


Figure S3. The structure of Cyclamin (3)

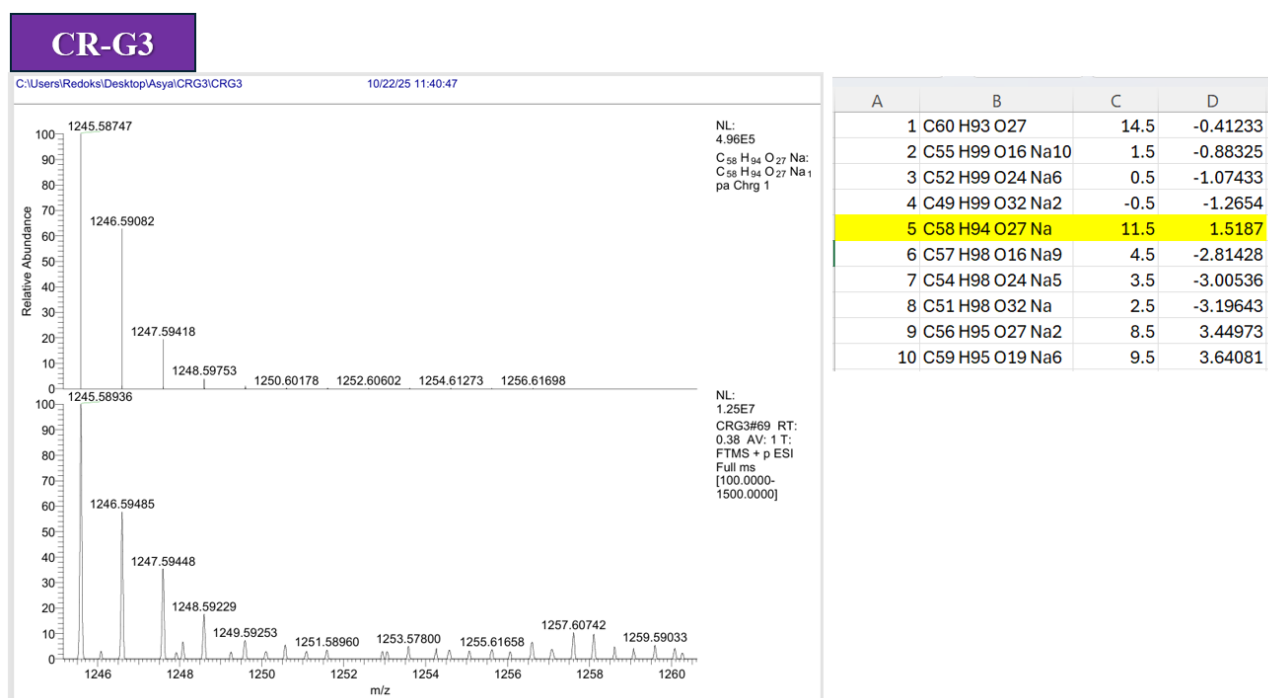


Figure S3.1. (+)-HRMS of Cyclamin (3)

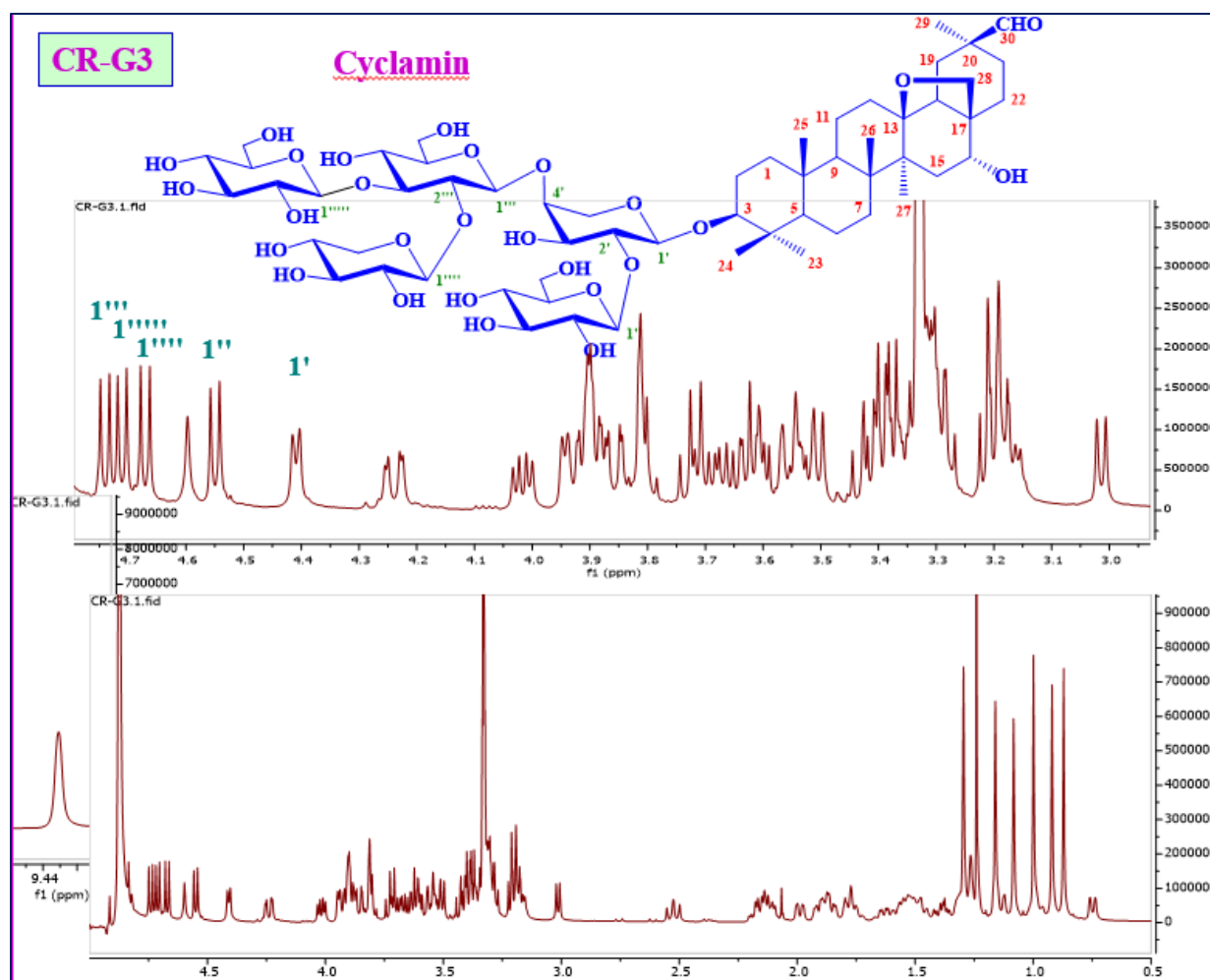


Figure S3.2. ^1H -NMR spectrum of Cyclamin (3) (500 MHz, CD_3OD)

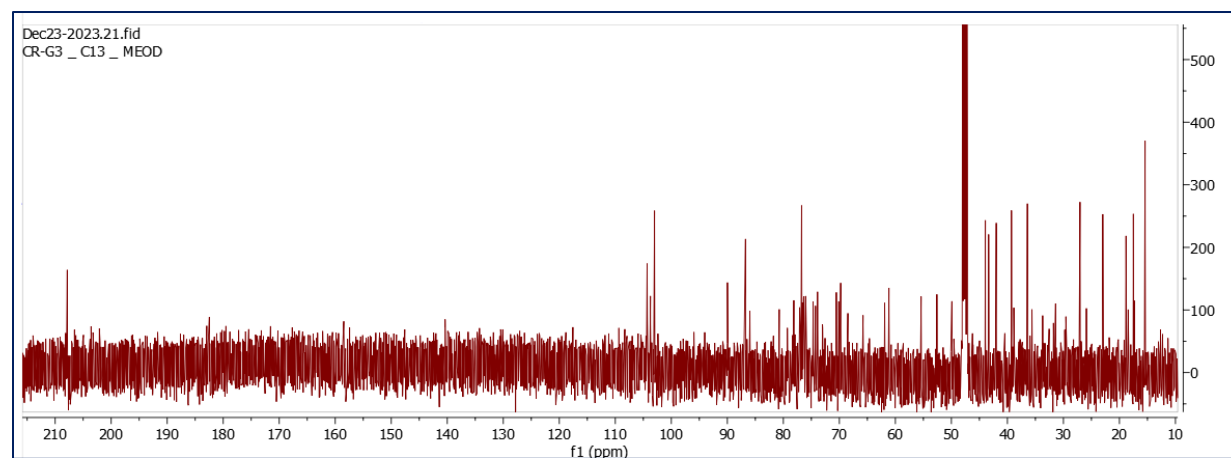


Figure S3.3. ^{13}C -NMR spectrum of Cyclamin (3) (125 MHz, CD_3OD)

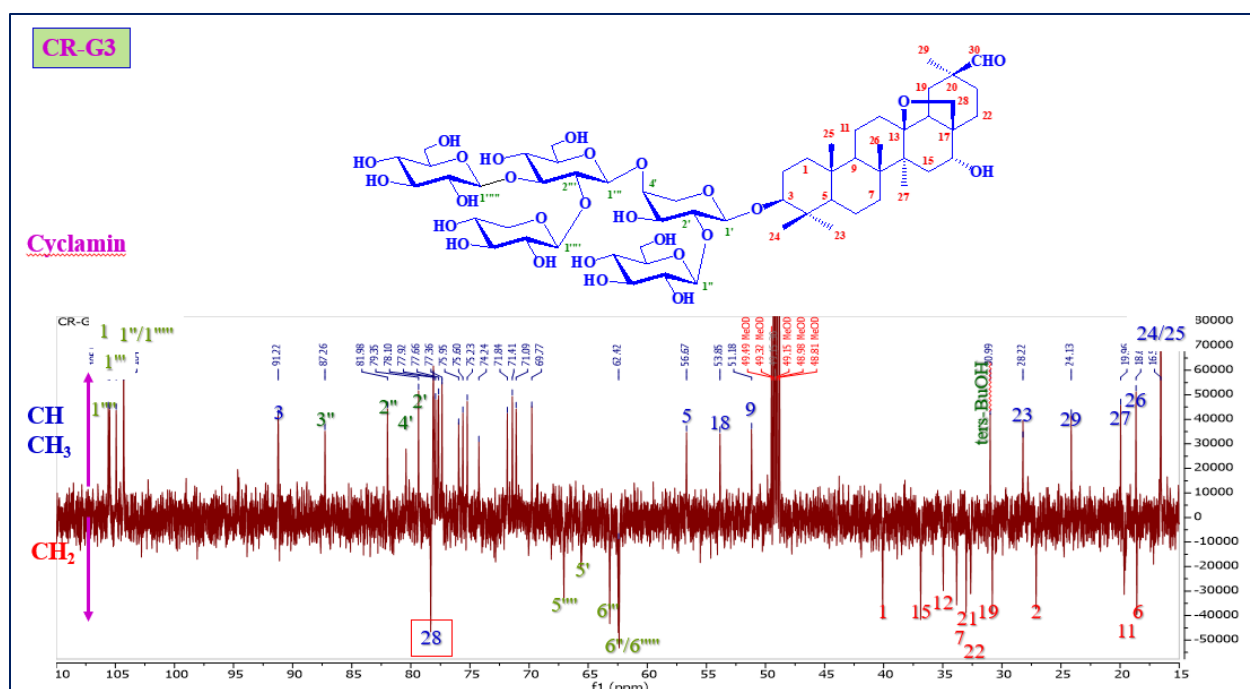


Figure S3.4. DEPT135 of Cyclamin (3)

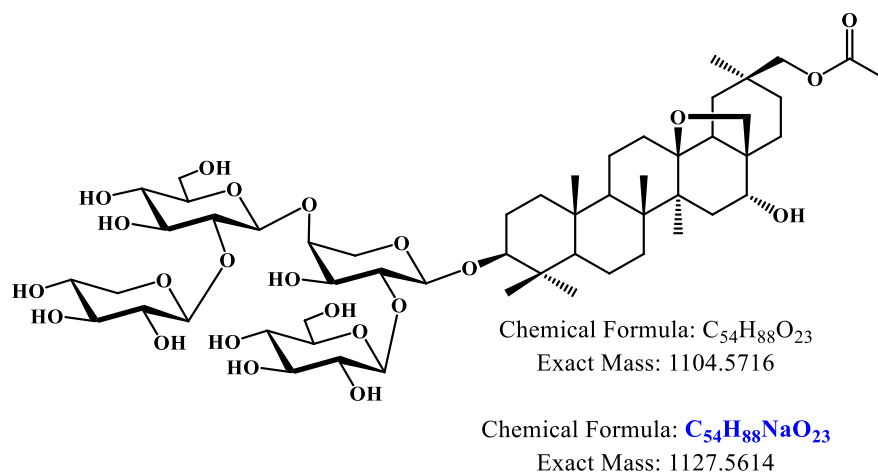


Figure S4. The structure of Rohlfisianoside A (4)

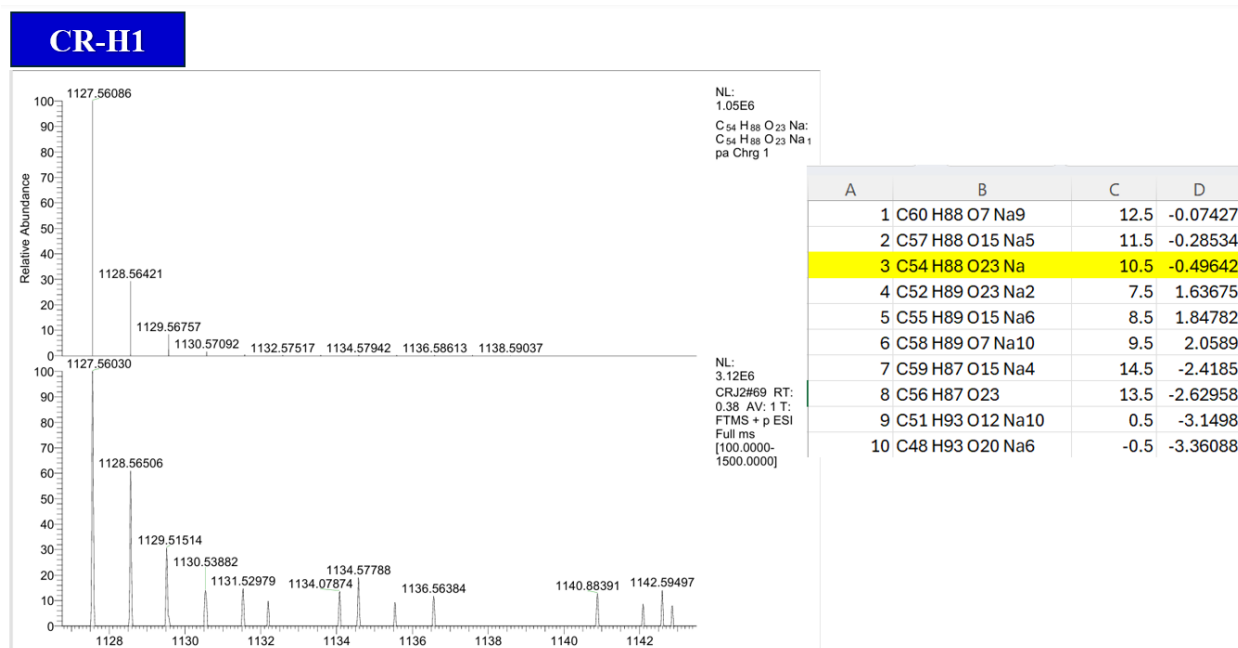


Figure S4.1. (+)-HRMS of Rohlfisianoside A (4)

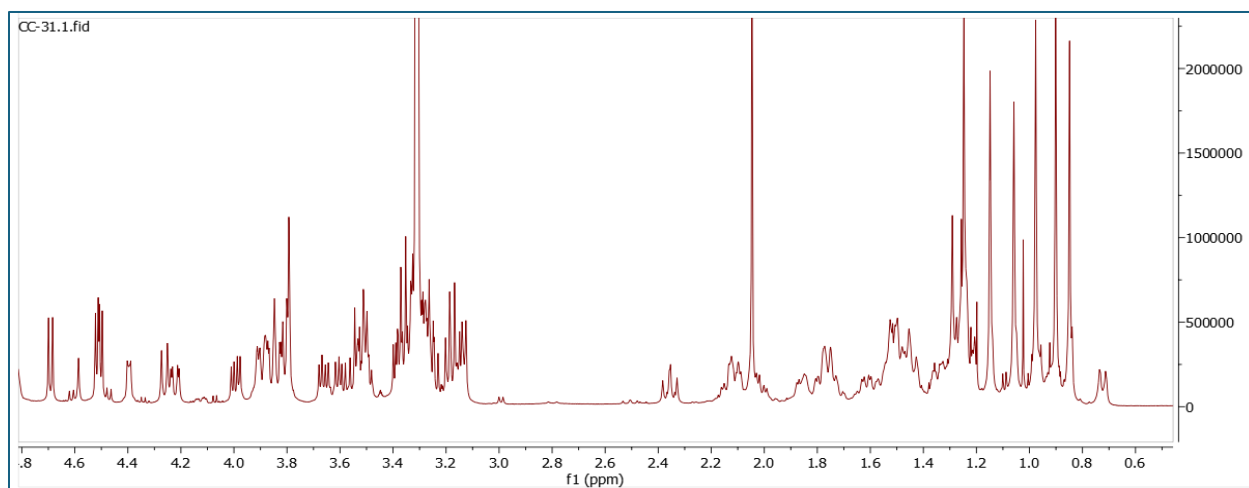


Figure S4.2. ¹H-NMR spectrum of Rohlfisianoside A (**4**) (500 MHz, CD₃OD)

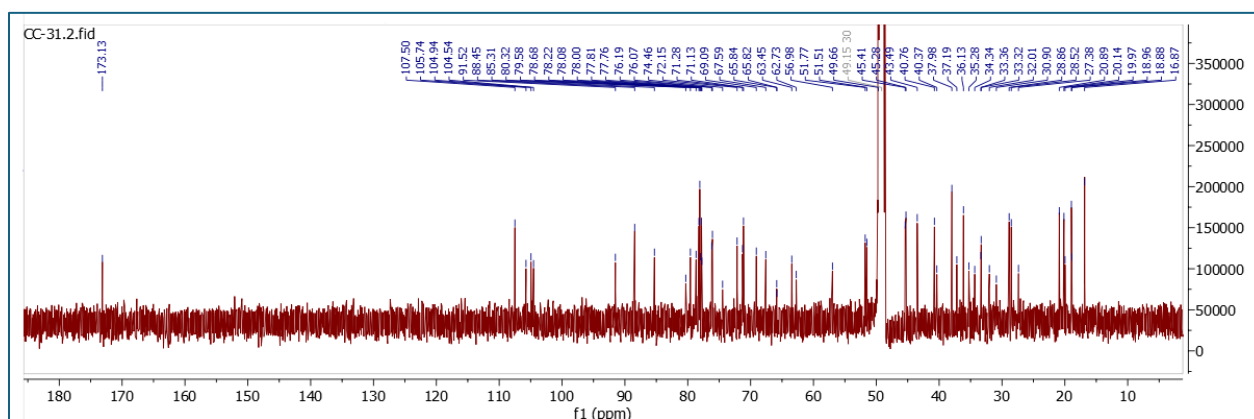


Figure S4.3. ¹³C-NMR spectrum of Rohlfisianoside A (**4**) (125 MHz, CD₃OD)

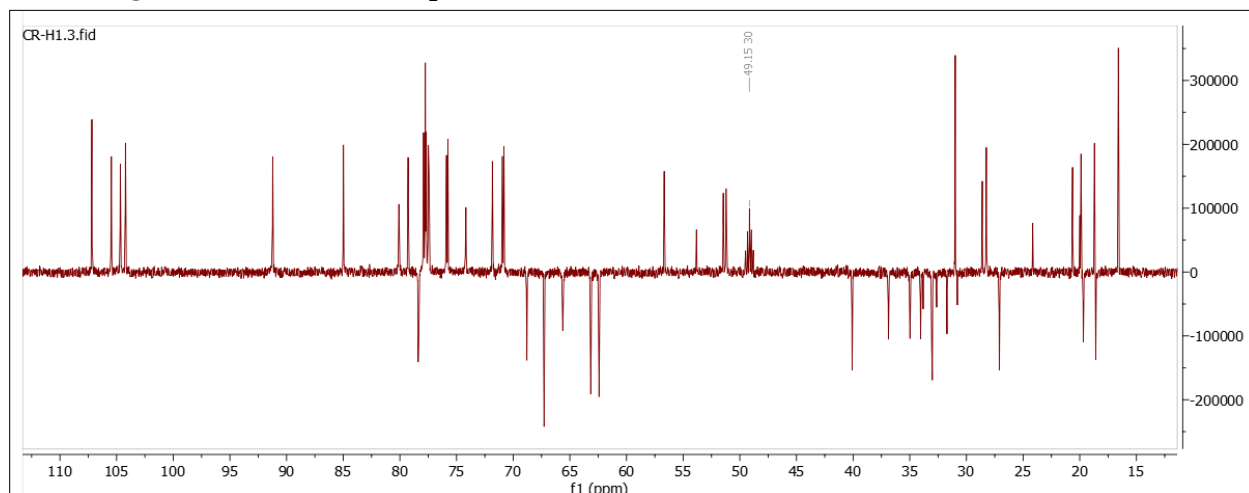


Figure S4.4. DEPT135 of Rohlfisianoside A (**4**)

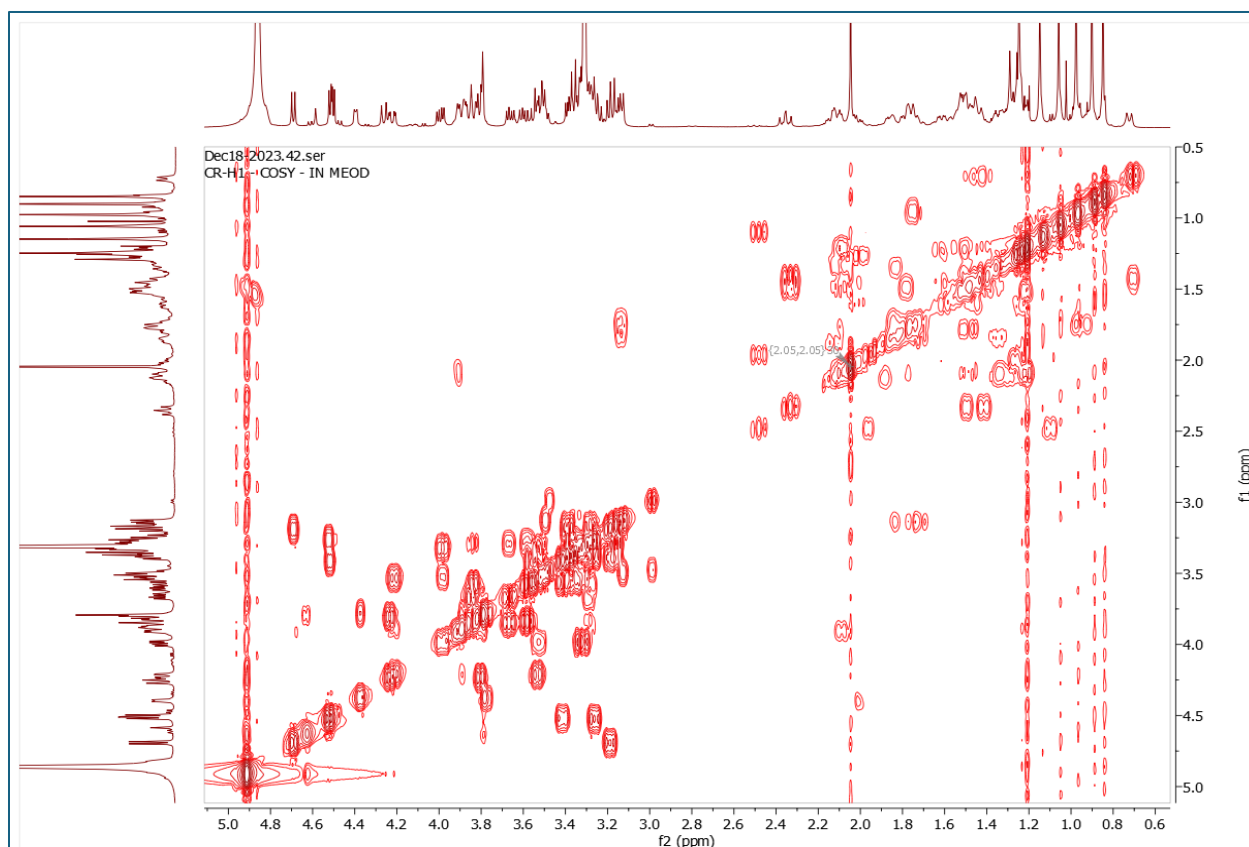


Figure S4.5. COSY of Rohlfisianoside A (4)

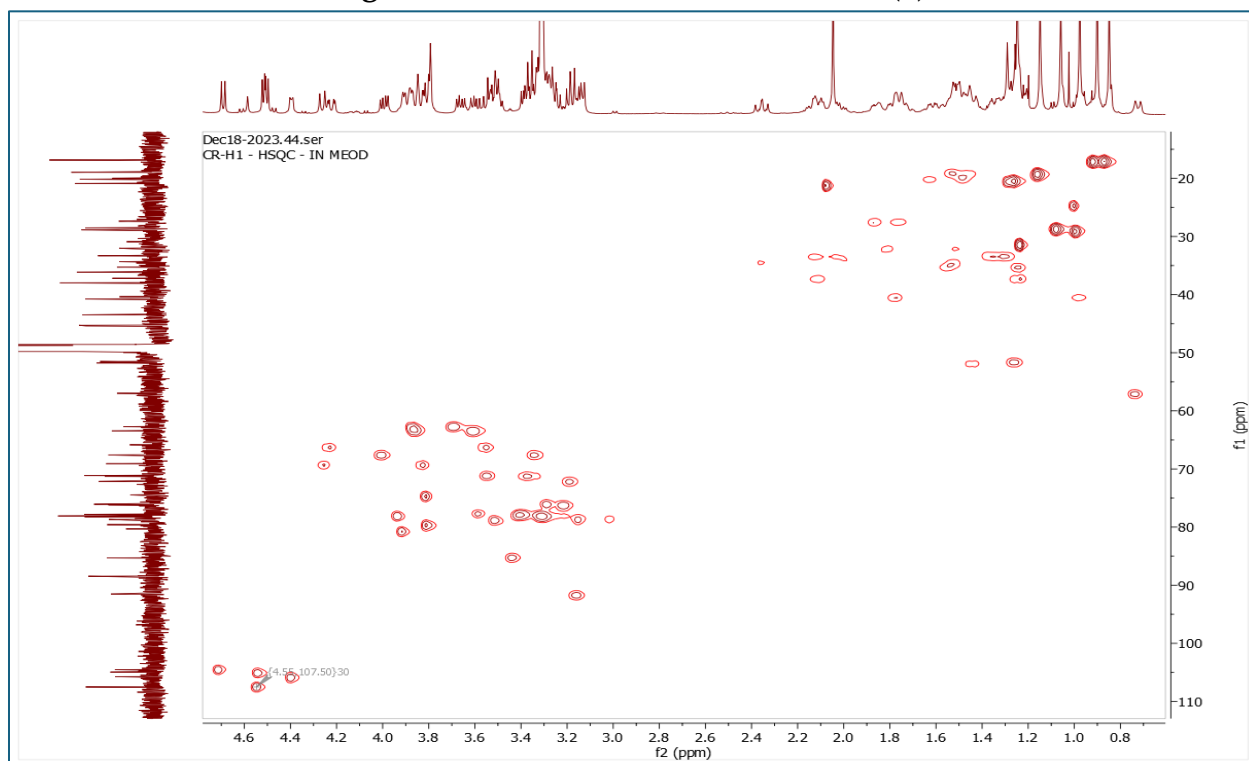


Figure S4.6. HSQC of Rohlfisianoside A (4)

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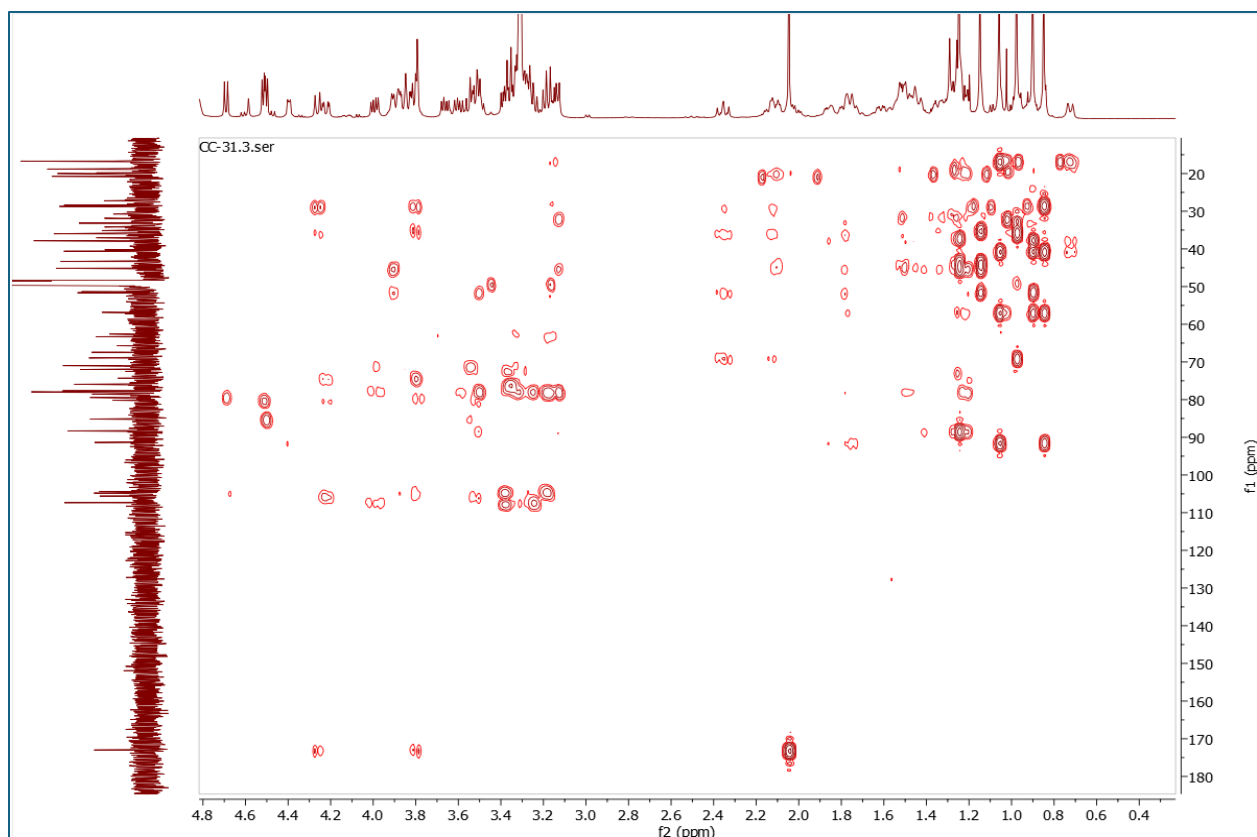


Figure S4.7.1. HMBC of Rohlfisianoside A (4)

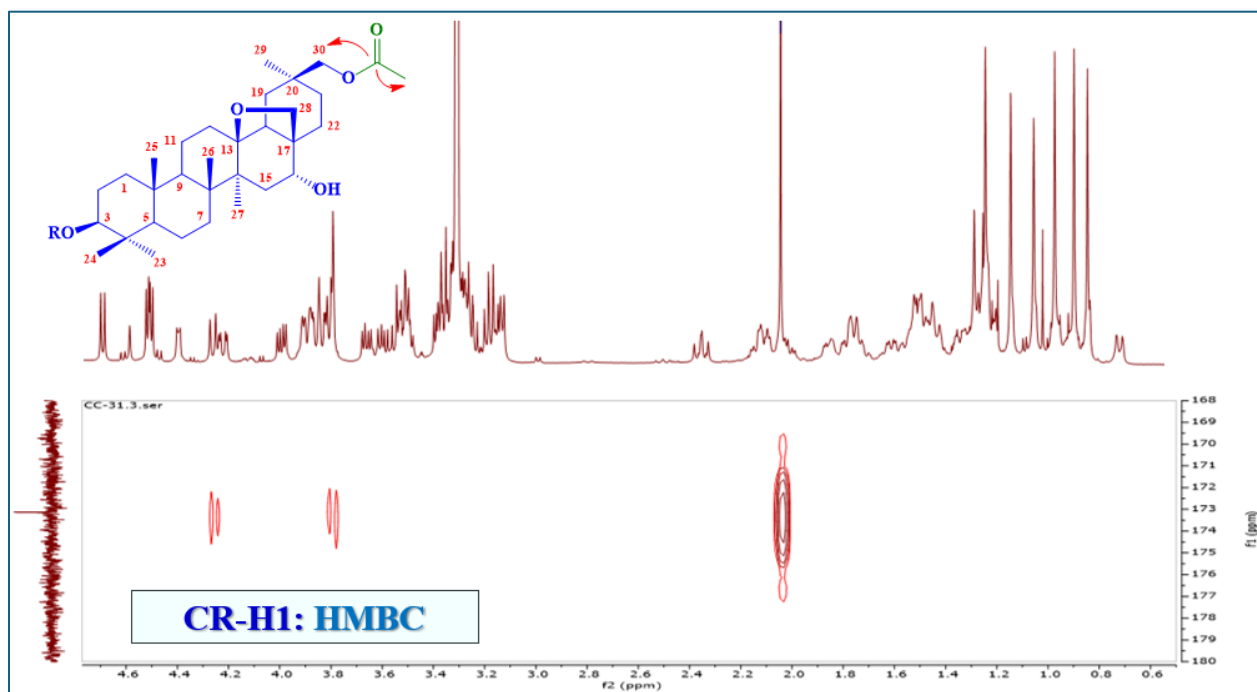
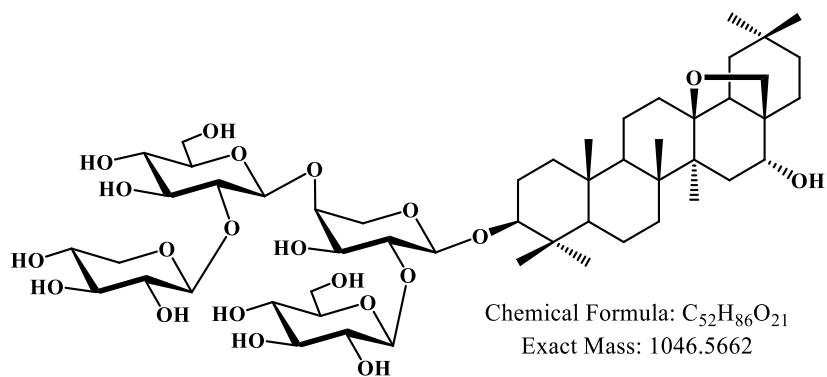


Figure S4.7.2 HMBC of Rohlfisianoside A (4)



Chemical Formula: $C_{52}H_{86}NaO_{21}$
Exact Mass: 1069.5559

Figure S5. The structure of Lysikoinoside I (5)

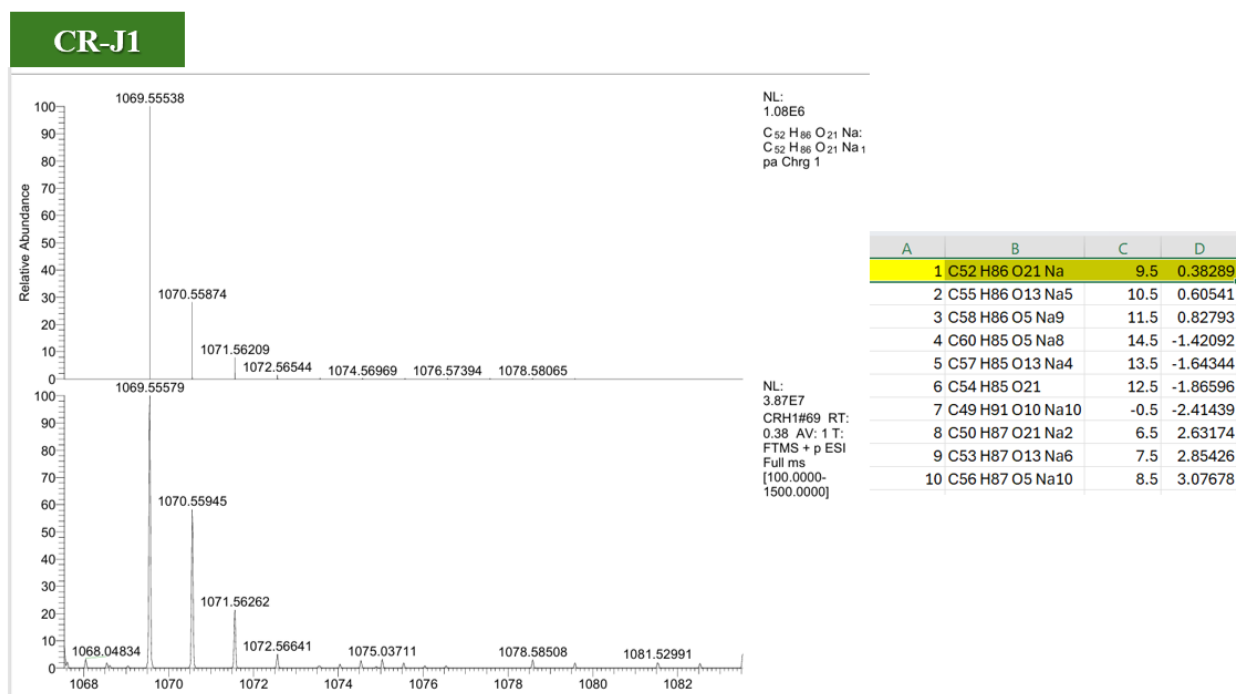


Figure S5.1. (+)-HRMS of Lysikoinoside I (5)

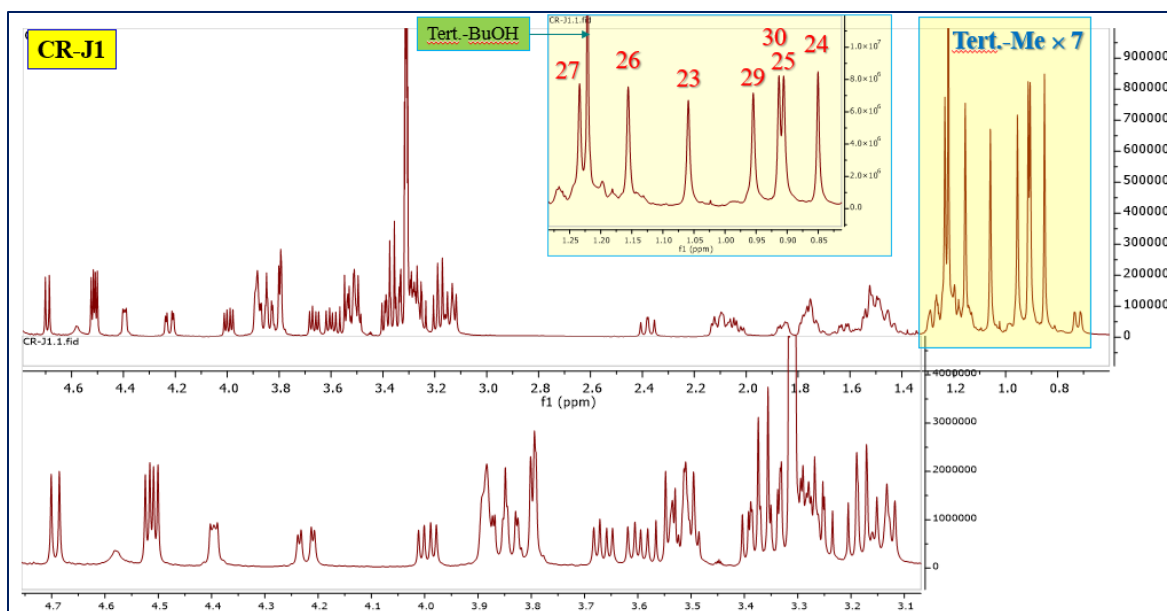


Figure S5.2. ^1H -NMR spectrum of Lysikoinoside I (5) (500 MHz, CD_3OD)

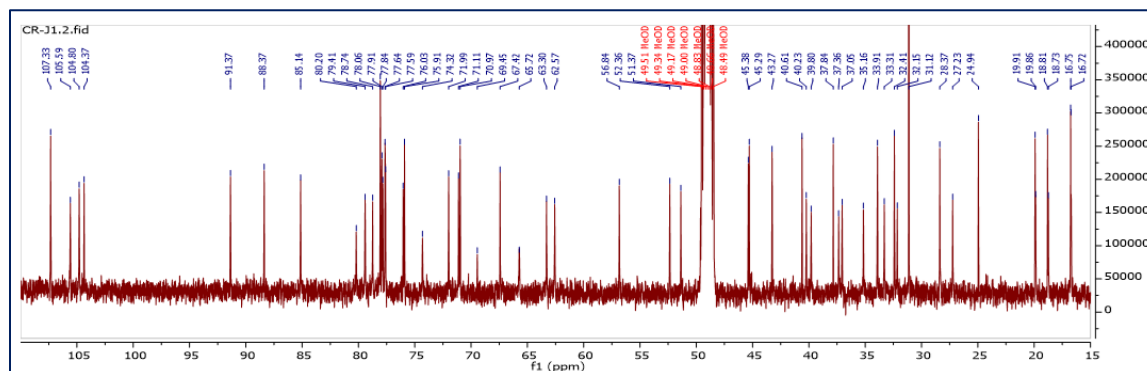


Figure S5.3. ^{13}C -NMR spectrum of Lysikoinoside I (5) (125 MHz, CD_3OD)

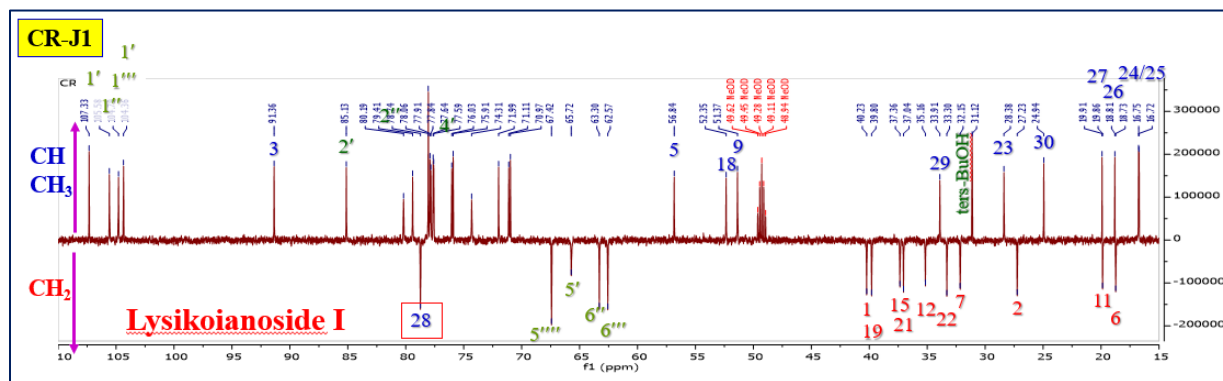


Figure S5.4. DEPT135 of Lysikoinoside I (5)

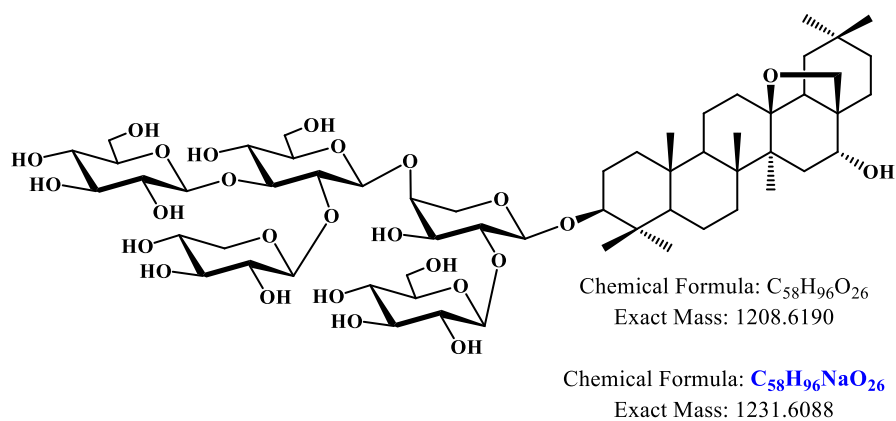


Figure S6. The structure of Rohlfsianoside B (6)

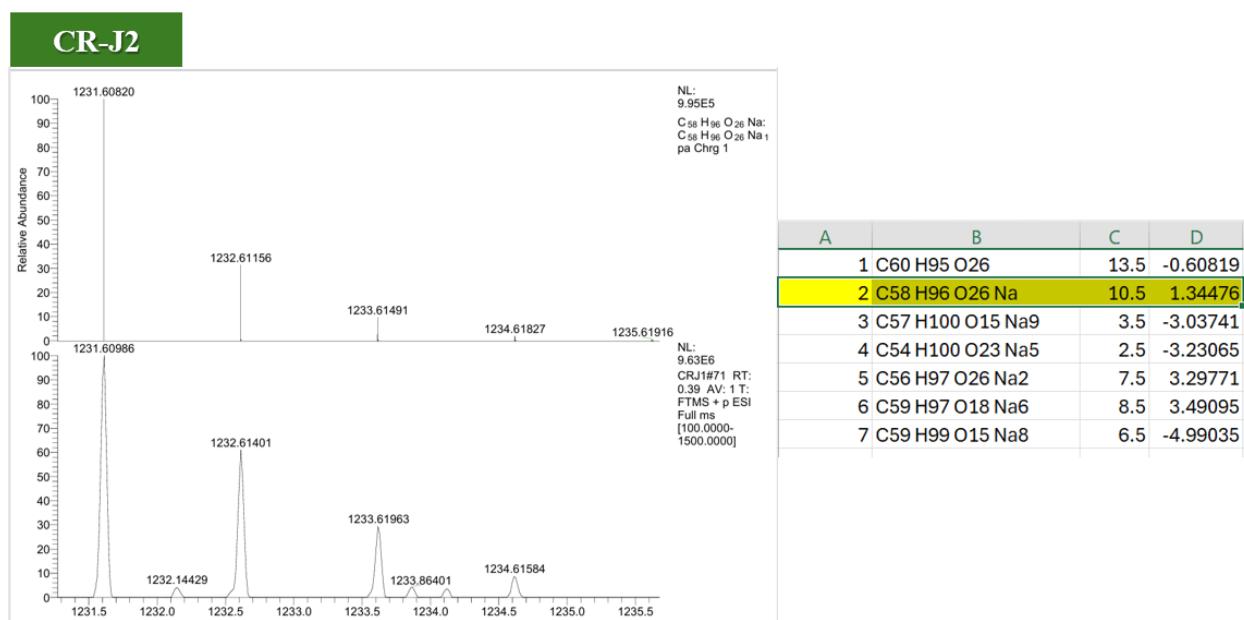


Figure S6.1. (+)-HRMS of Rohlfsianoside B (6)

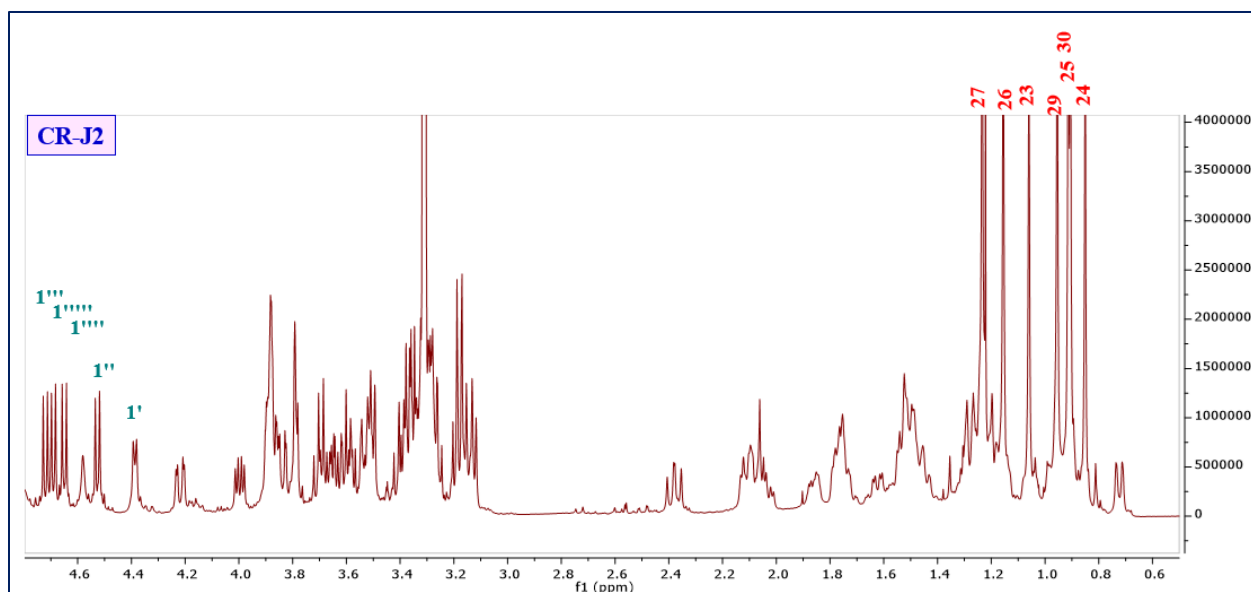


Figure S6.2. ^1H -NMR spectrum of Rohlfisianoside B (6) (500 MHz, CD_3OD)

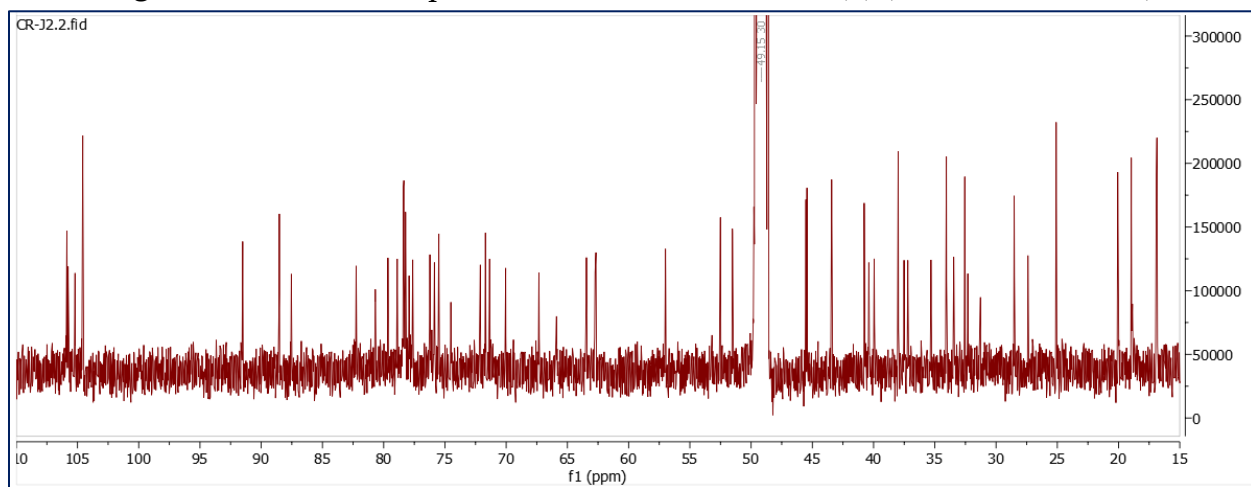


Figure S6.3. ^{13}C -NMR spectrum of Rohlfisianoside B (6) (125 MHz, CD_3OD)

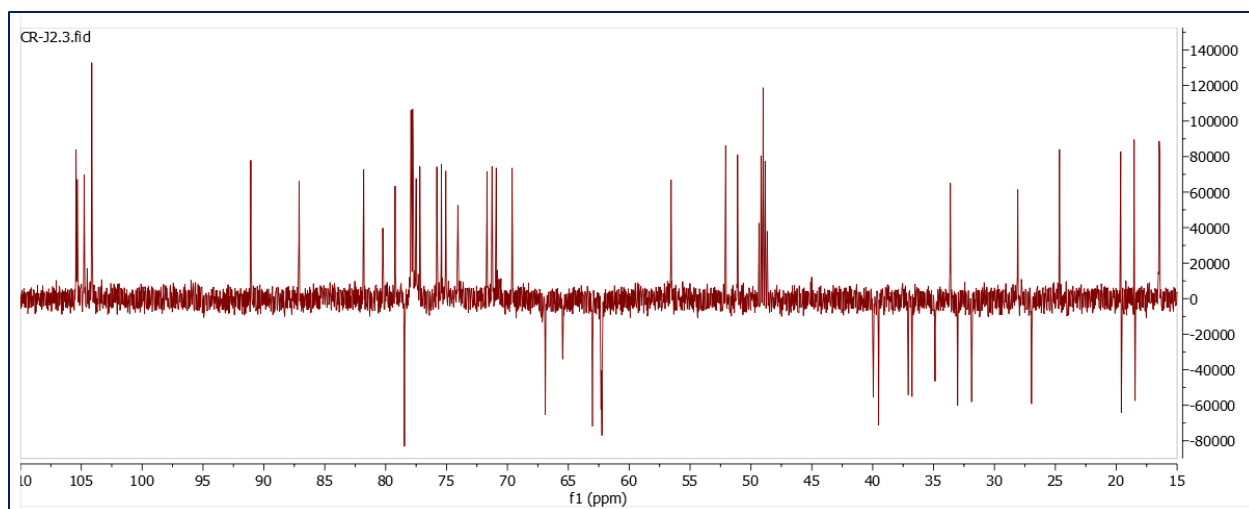


Figure S6.4. DEP135 of Rohlfisianoside B (6)

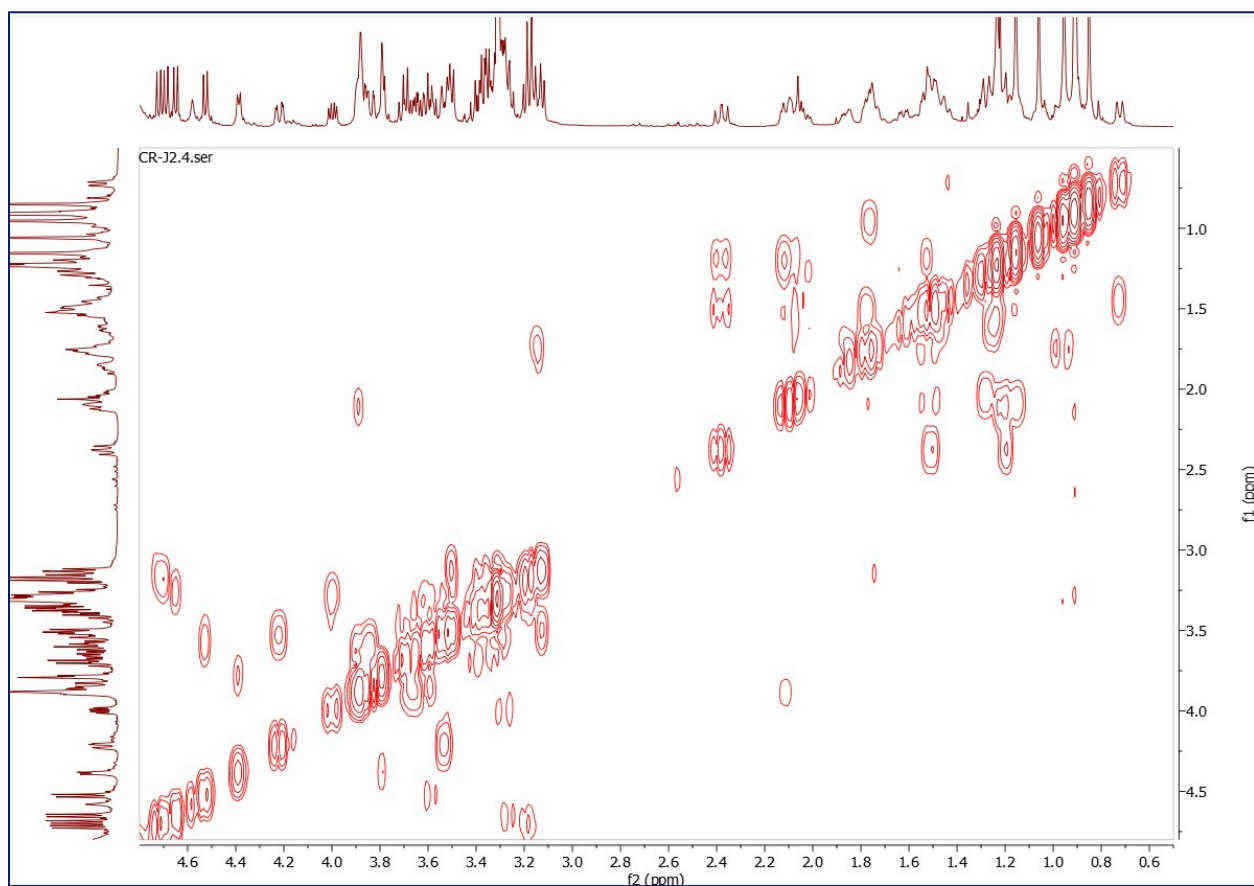


Figure S6.5. COSY of Rohlfisianoside B (6)

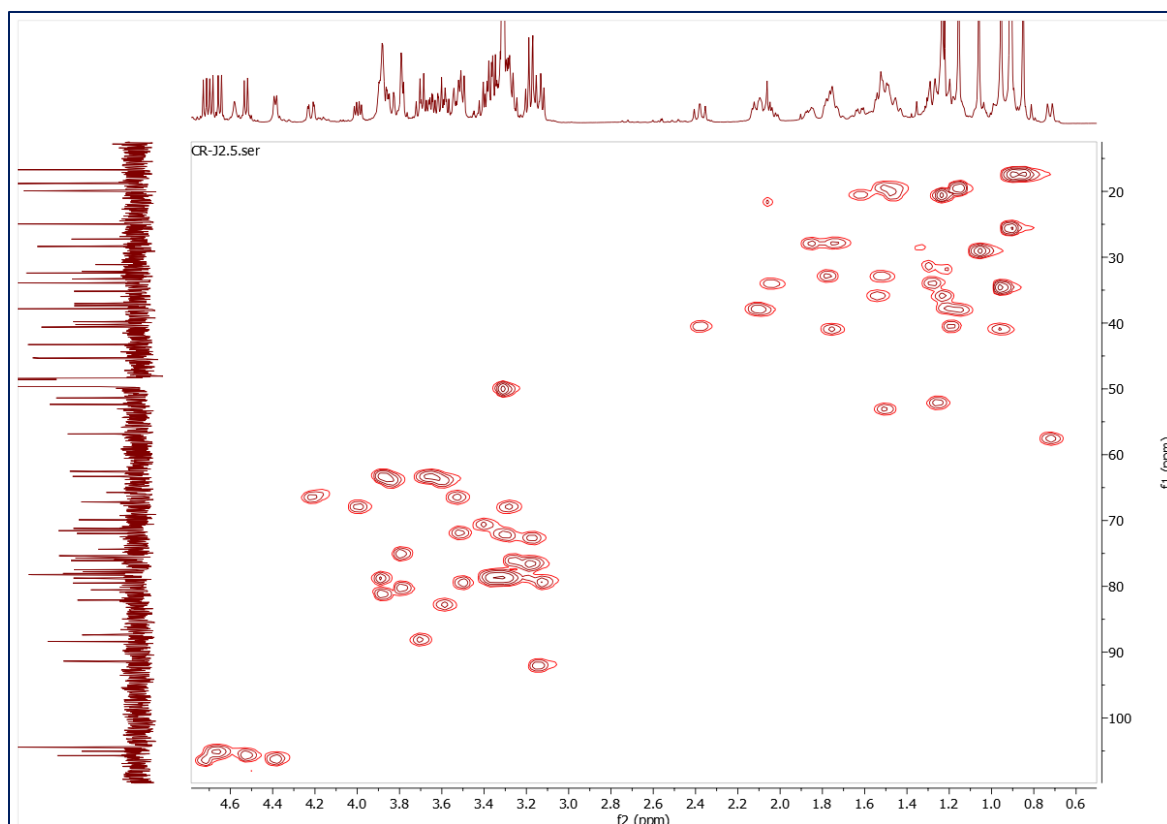


Figure S6.6.1. HSQC of Rohlfisianoside B (6)

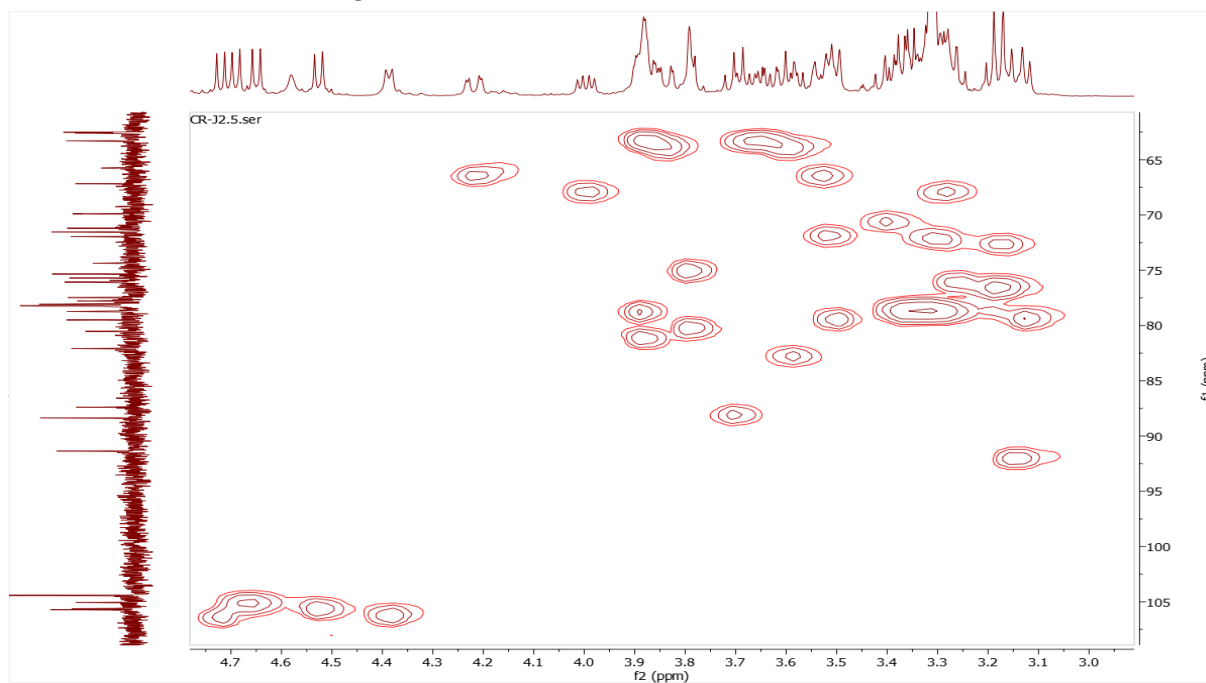


Figure S6.6.2. HSQC of Rohlfisianoside B (6) (^1H . 2.8–4.8 ppm; ^{13}C . 60–110 ppm).

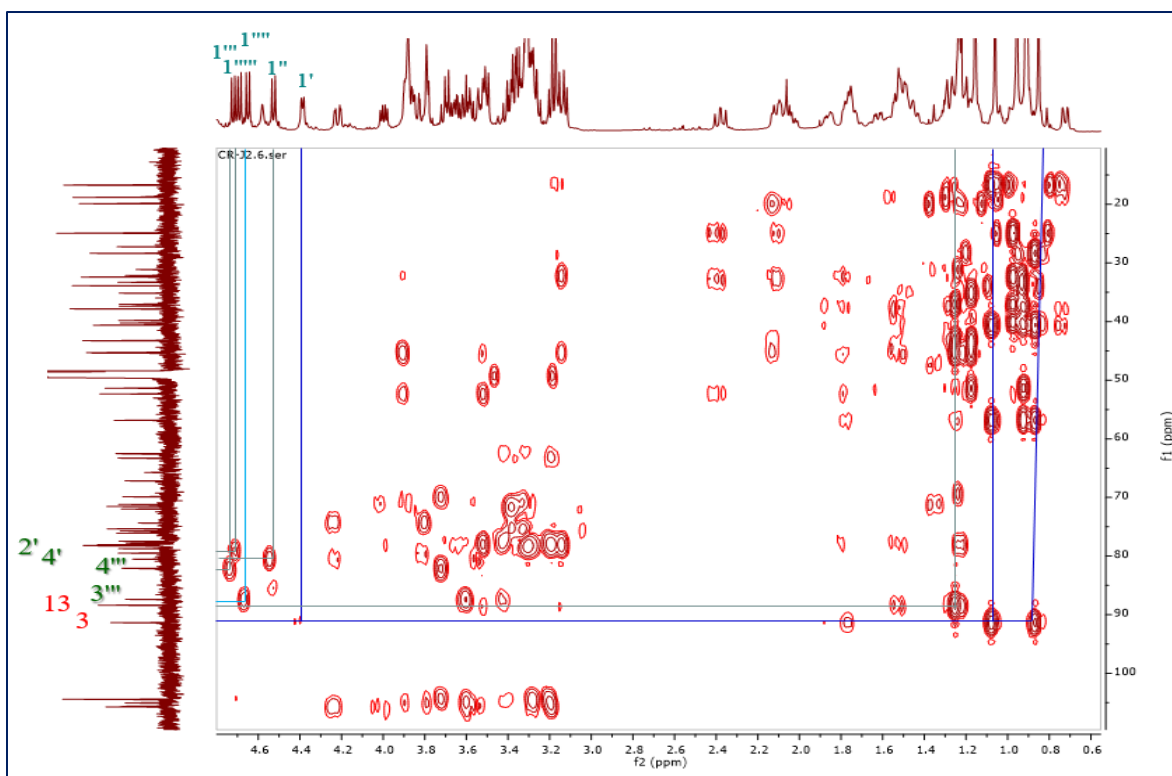


Figure S6.7.1. HMBC of Rohlfisianoside B (6)

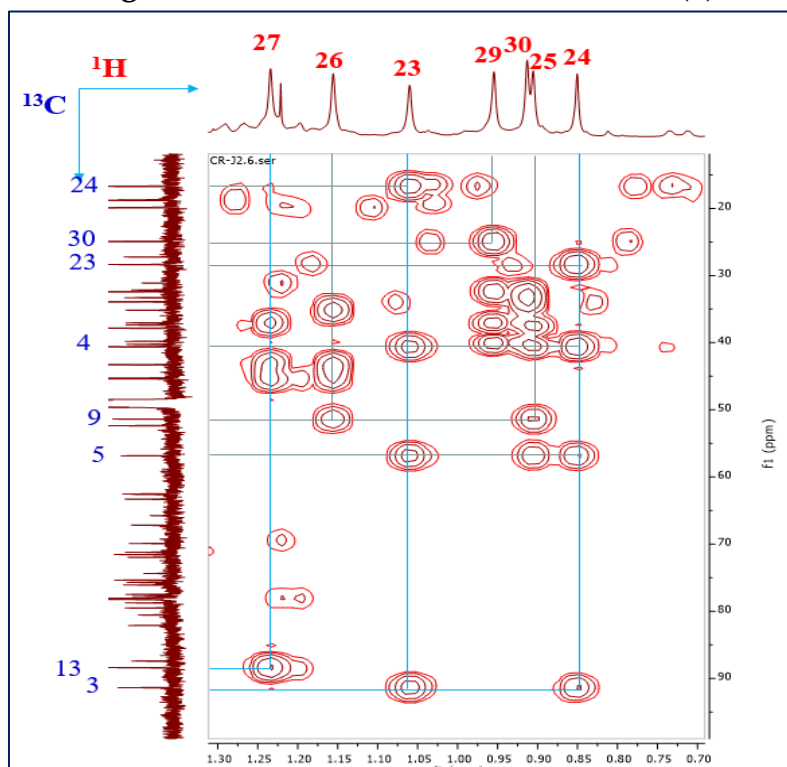


Figure S6.7.2. HMBC of Rohlfisianoside B (6) (^1H . 0.7–1.3 ppm; ^{13}C . 10–100 ppm).