Supporting Information

***Rec. Nat. Prod*. 14:4 (2020) 269-275**

Bioactive Constituents from the Rhizomes of *Sansevieria cylindrica*

Hnin Thanda Aung[1*], Mya Mu Aye[1], Zaw Min Thu[2], Yumiko Komori[4] Myint Myint Sein[1,] Giovanni Vidari[3] and Yoshiaki Takaya[4*]

[1]Department of Chemistry, University of Mandalay, Mandalay, Myanmar

[2]Department of Chemistry, Kalay University, Kalay, Myanmar

[3]TIU Research Center, Tishk International University, Erbil, Iraq

[4]Faculty of Pharmacy, Meijo University, Nagoya, Japan

Table of Contents	Page
Figure S1: ESI-MS of compound **3**	2
Figure S2: ^{1}H NMR (600 MHz, $CDCl_3$) spectrum of compound **3**	3
Figure S3: ^{13}C NMR (150 MHz, $CDCl_3$) spectrum of compound **3**	4
Figure S4: DEPT spectrum of compound **3**	5
Figure S5: DQF-COSY spectrum of compound **3**	6
Figure S6: NOESY spectrum of compound **3**	7
Figure S7: HSQC spectrum of compound **3**	8
Figure S8: HMBC spectrum of compound **3**	9
Figure S9: FAB-MS of compound **9**	10
Figure S10: ^{1}H NMR (500 MHz, $CDCl_3$) spectrum of compound **9**	11
Figure S11: ^{13}C NMR (125 MHz, $CDCl_3$) spectrum of compound **9**	12
Figure S12: DEPT spectrum of compound **9**	13
Figure S13: DQF-COSY spectrum of compound **9**	14
Figure S14: HSQC spectrum of compound **9**	15
Figure S15: HMBC spectrum of compound **9**	16

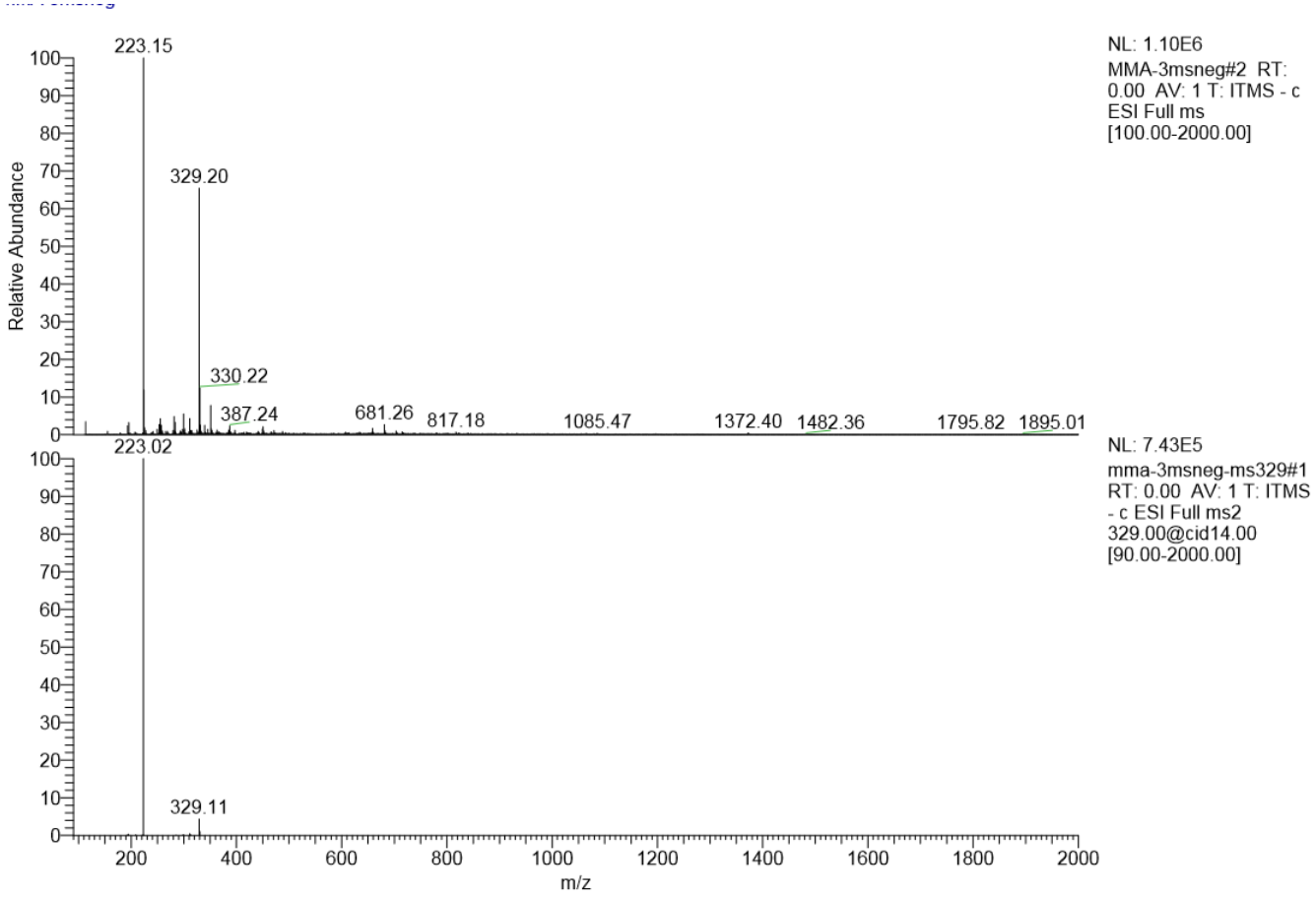

Figure S1: ESI-MS of compound **3**

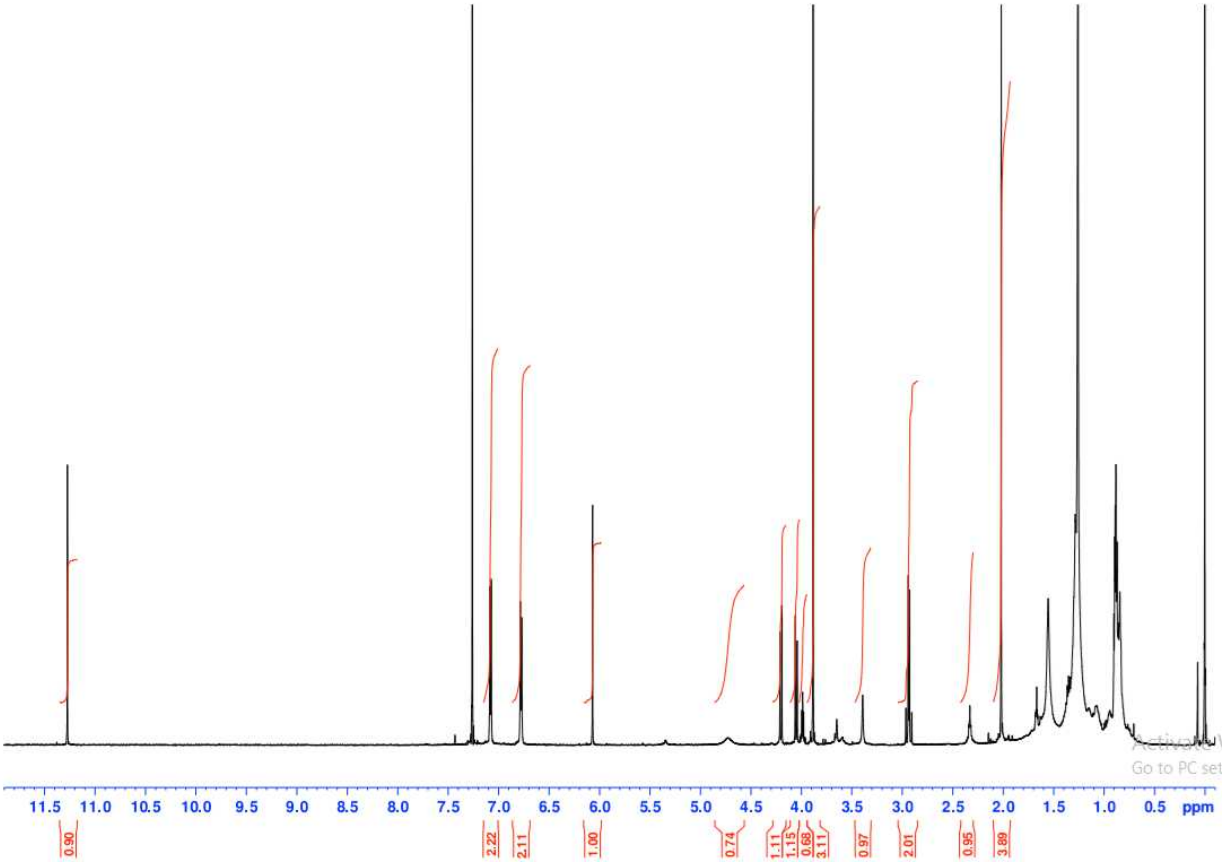

Figure S2: ^{1}H NMR (600 MHz, $CDCl_3$) spectrum of compound **3**

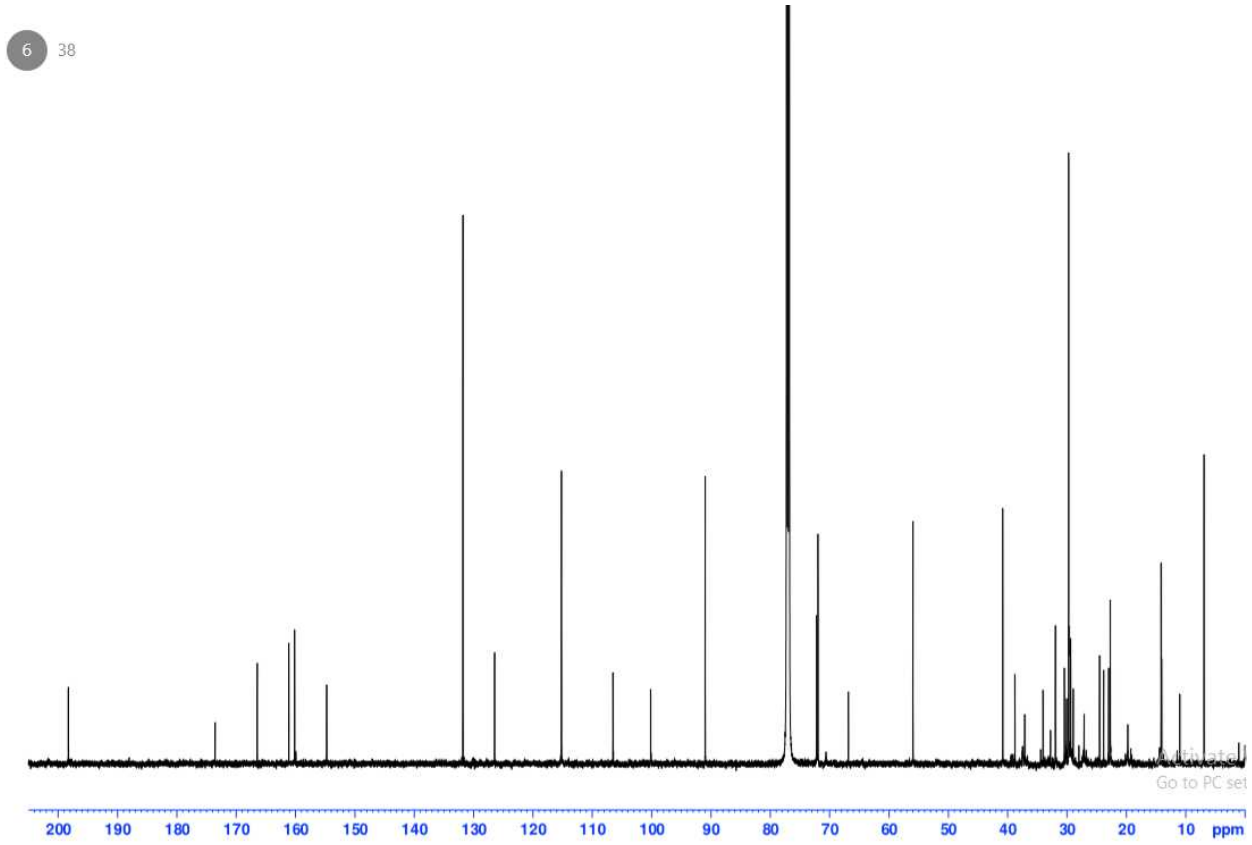

Figure S3: ^{13}C NMR (150 MHz, $CDCl_3$) spectrum of compound **3**

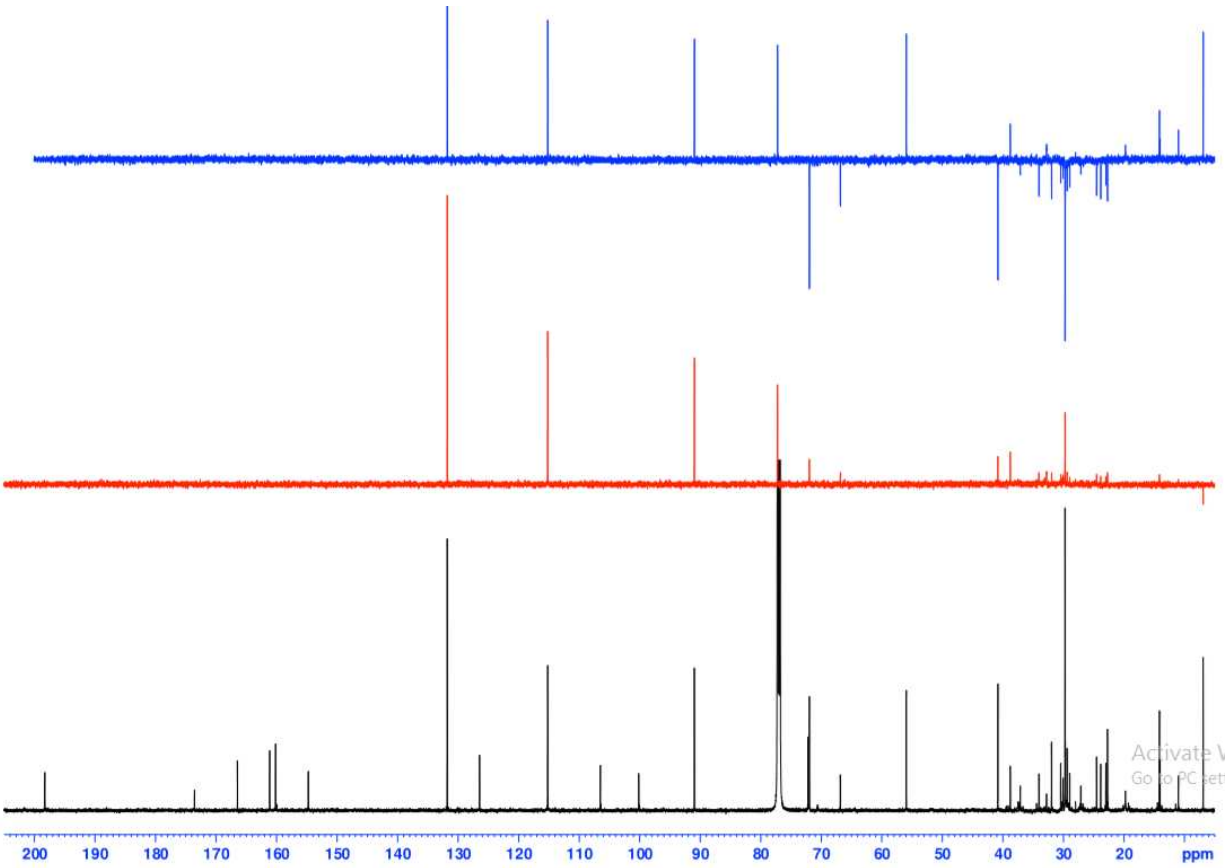

Figure S4: DEPT spectrum of compound **3**.

(upper: DEPT 135, center: DEPT 90, and lower: 13C NMR)

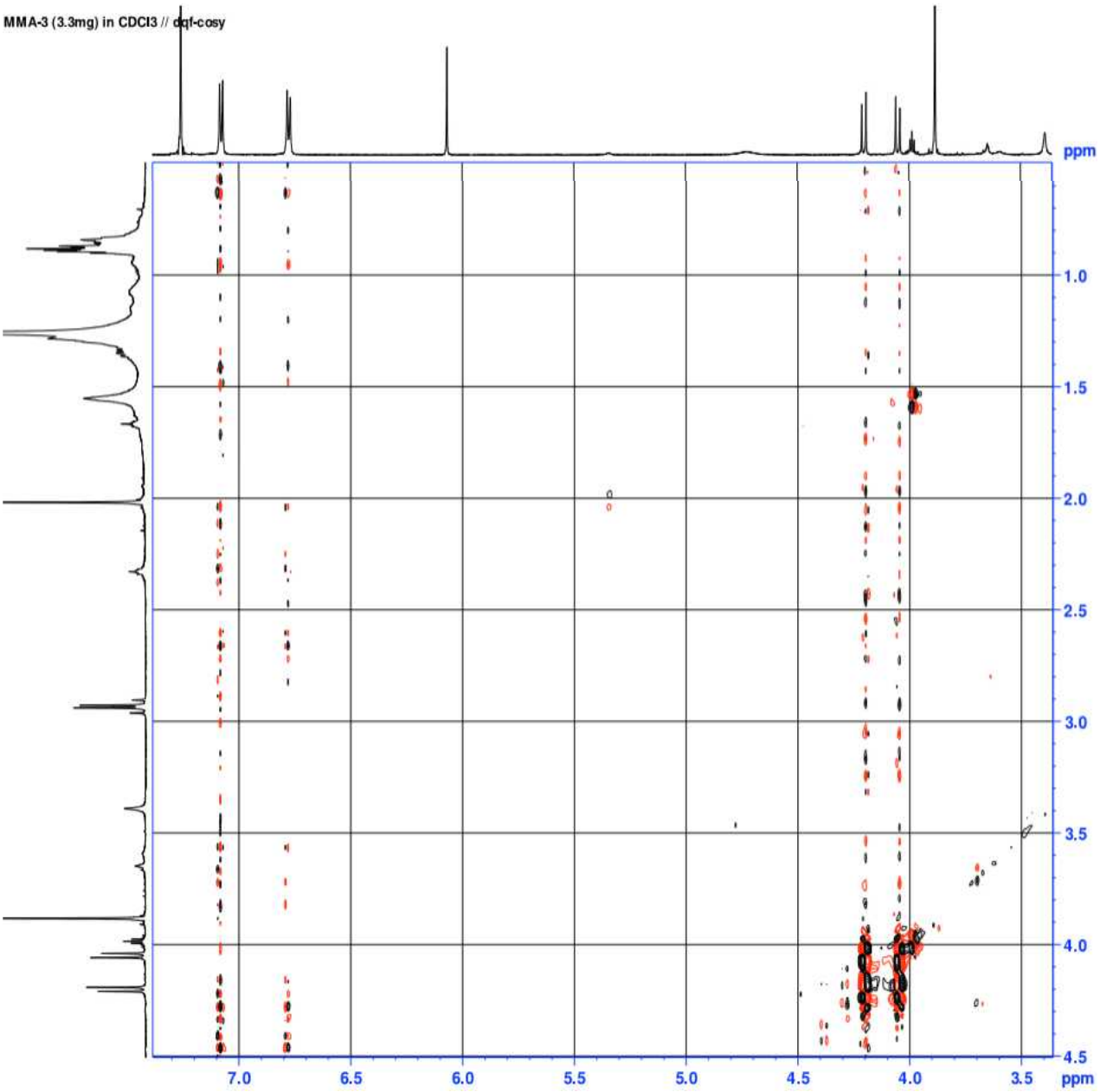

Figure S5: DQF-COSY spectrum of compound **3**

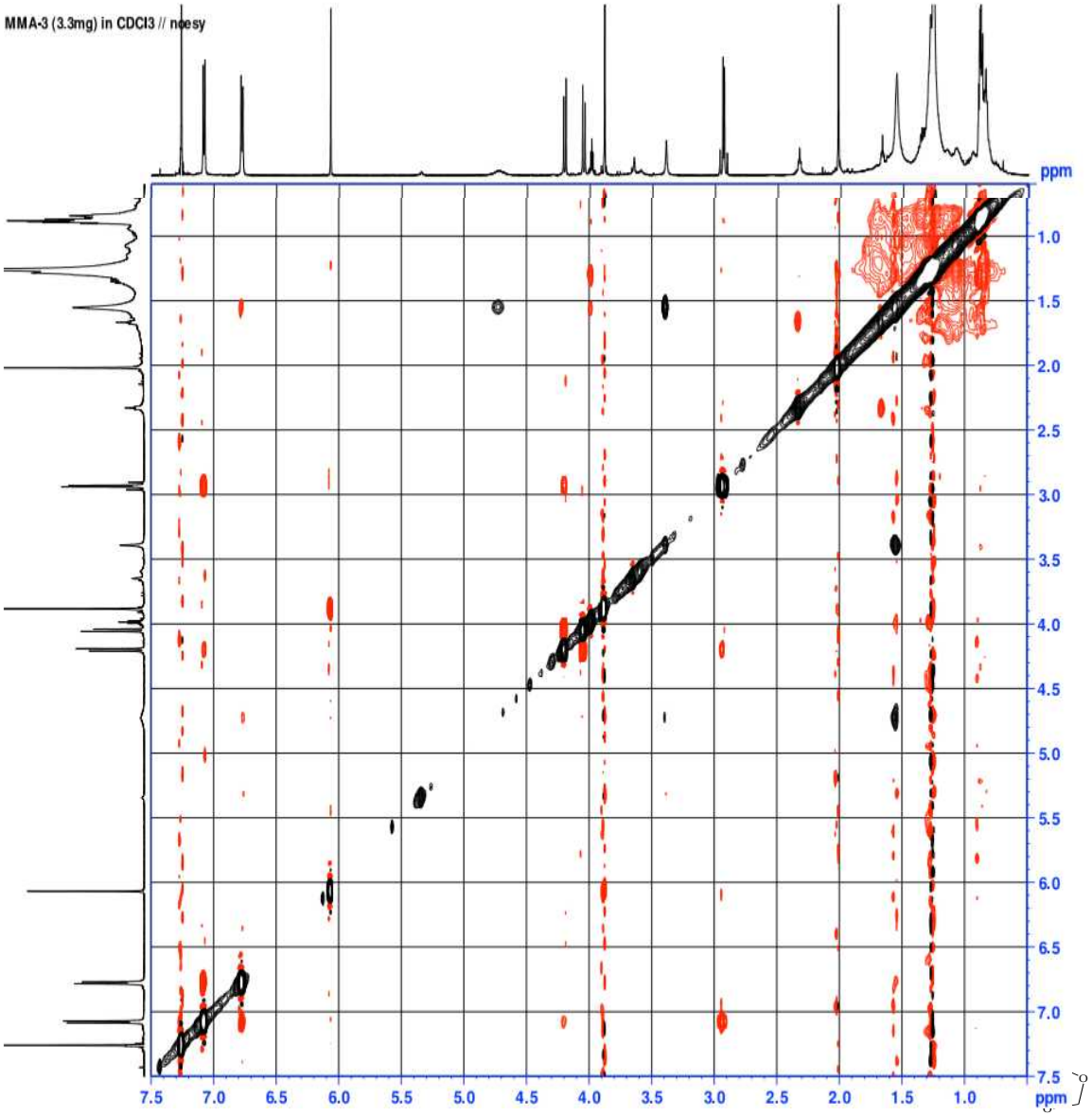

Figure S6: NOESY spectrum of compound **3**

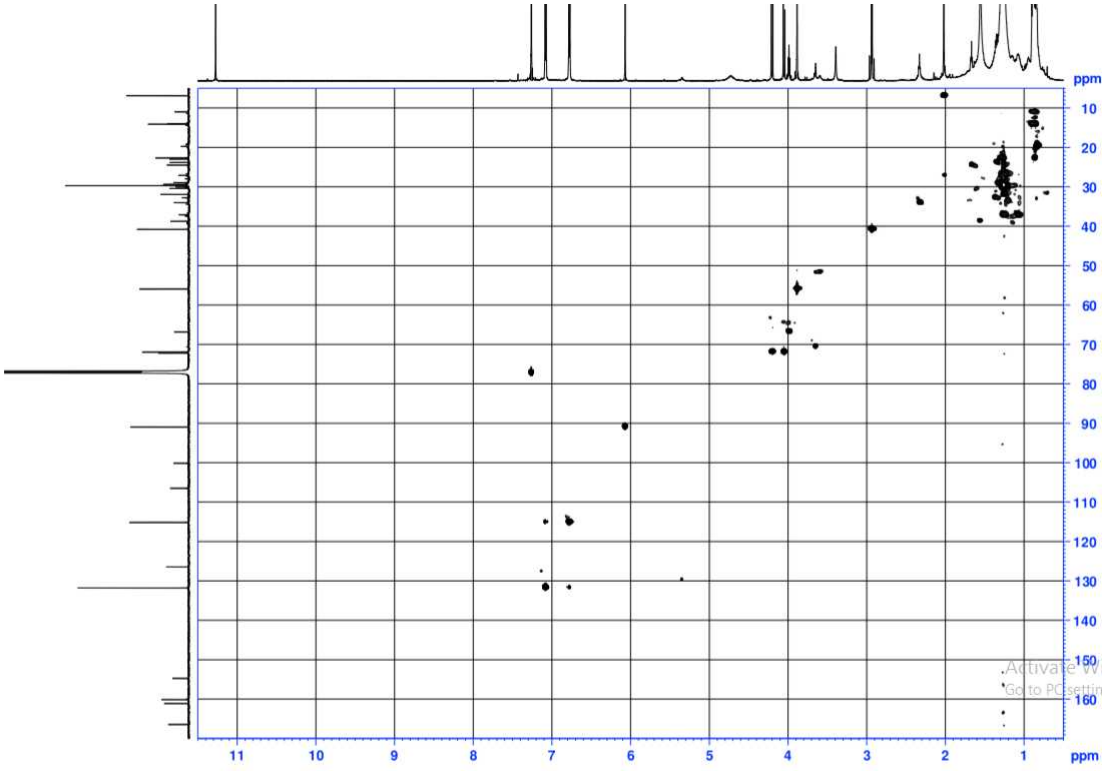

Figure S7: HSQC spectrum of compound **3**

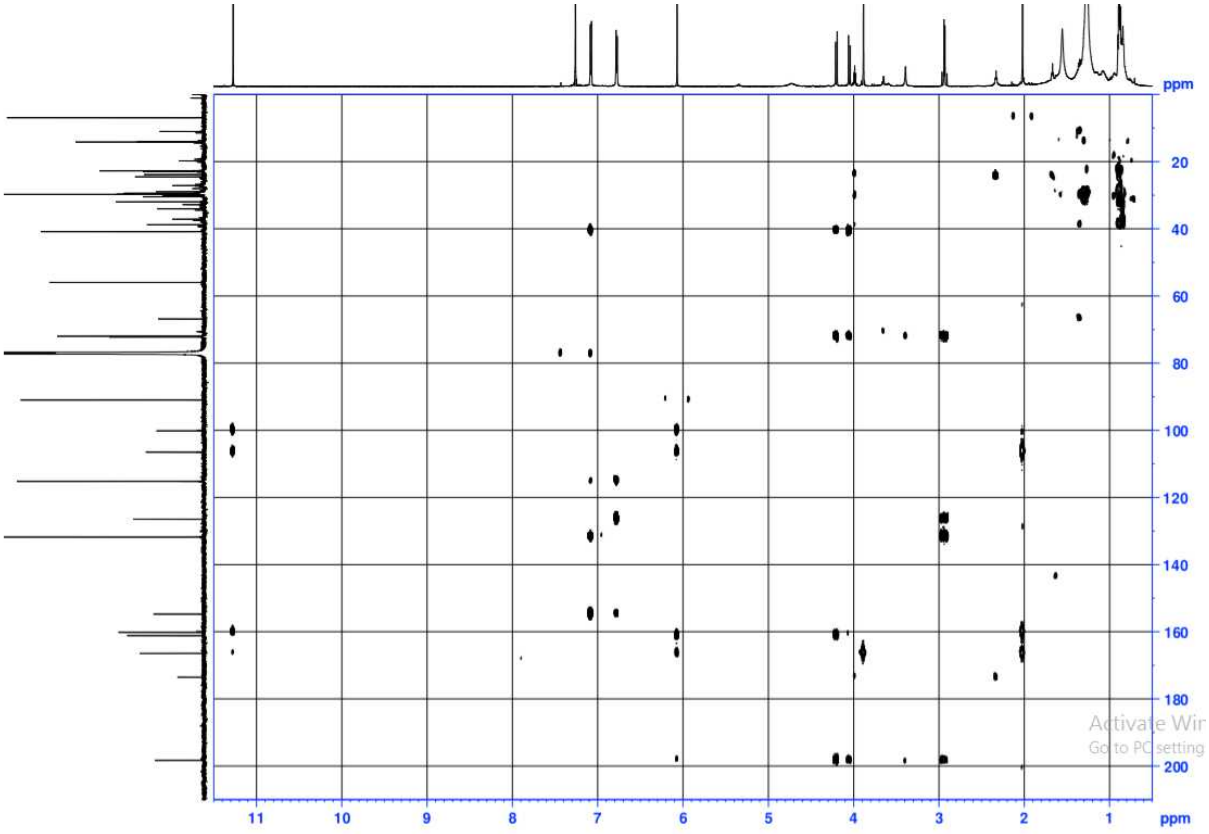

Figure S8: HMBC spectrum of compound **3**

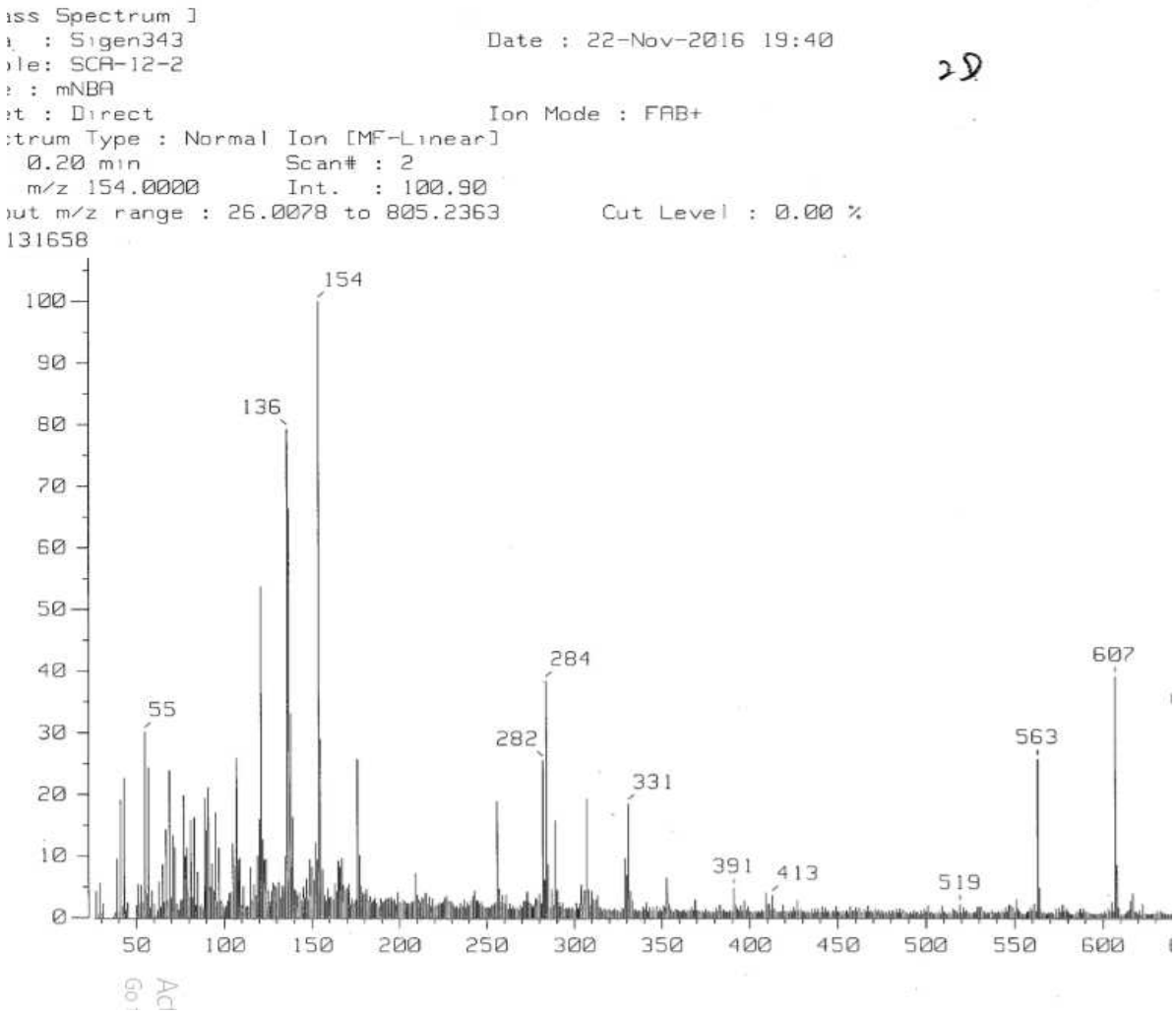

Figure S9: FAB-MS of compound **9**

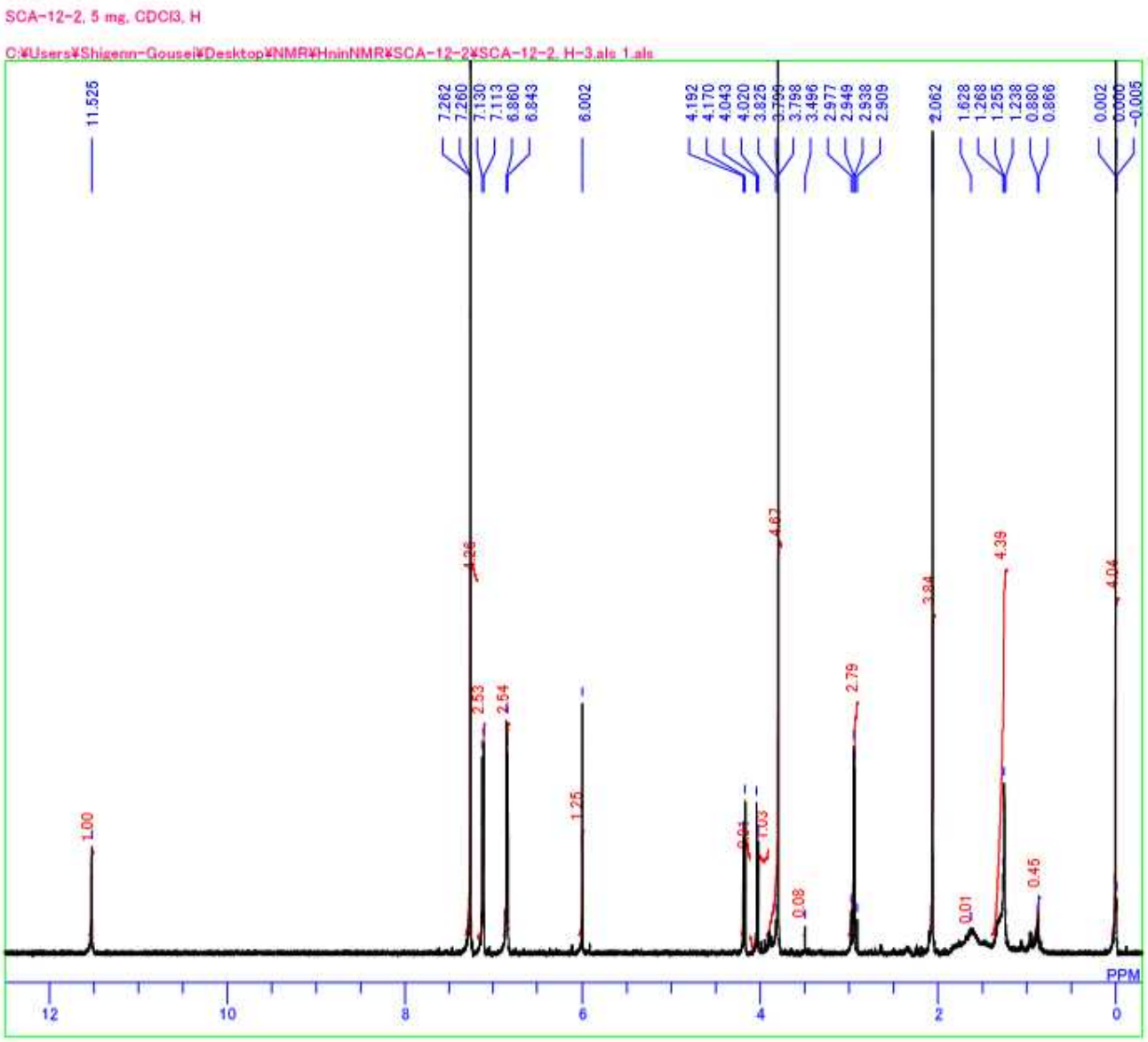

Figure S10: ^{1}HNMR (500 MHz, $CDCl_3$) spectrum of compound **9**

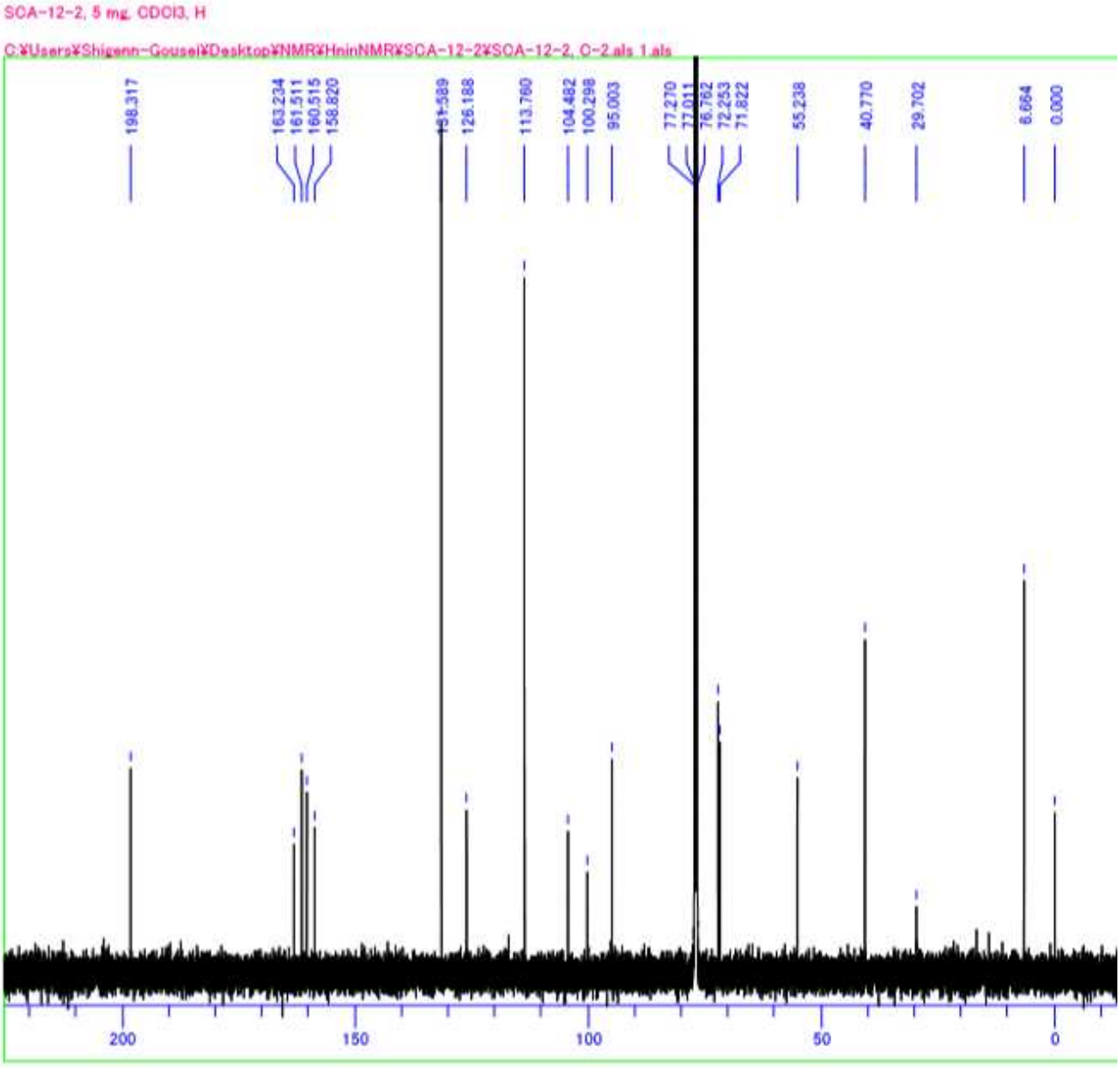

Figure S11: ^{13}C NMR (125 MHz, $CDCl_3$) spectrum of compound **9**

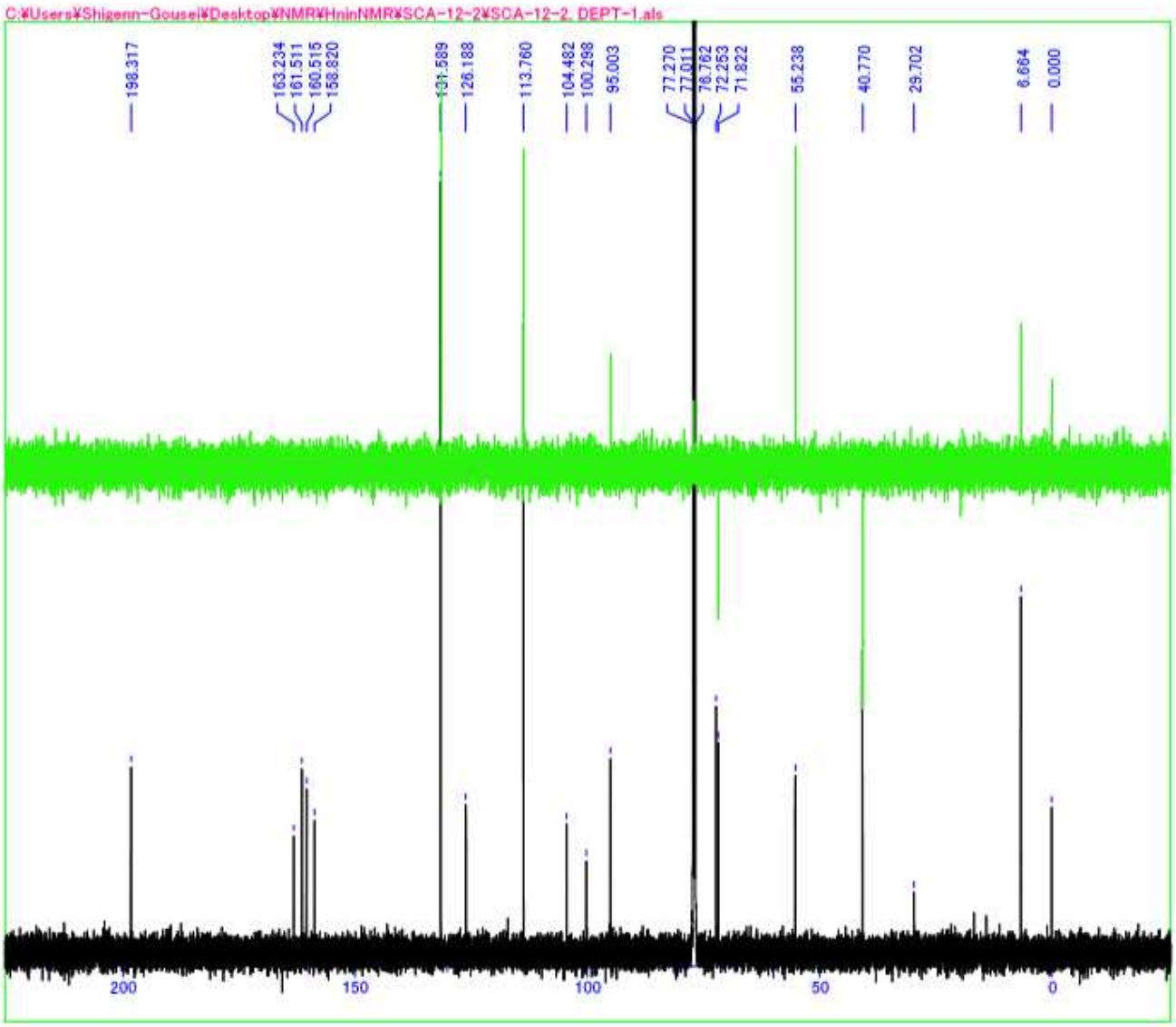

Figure S12: DEPT spectrum of Compound **9**

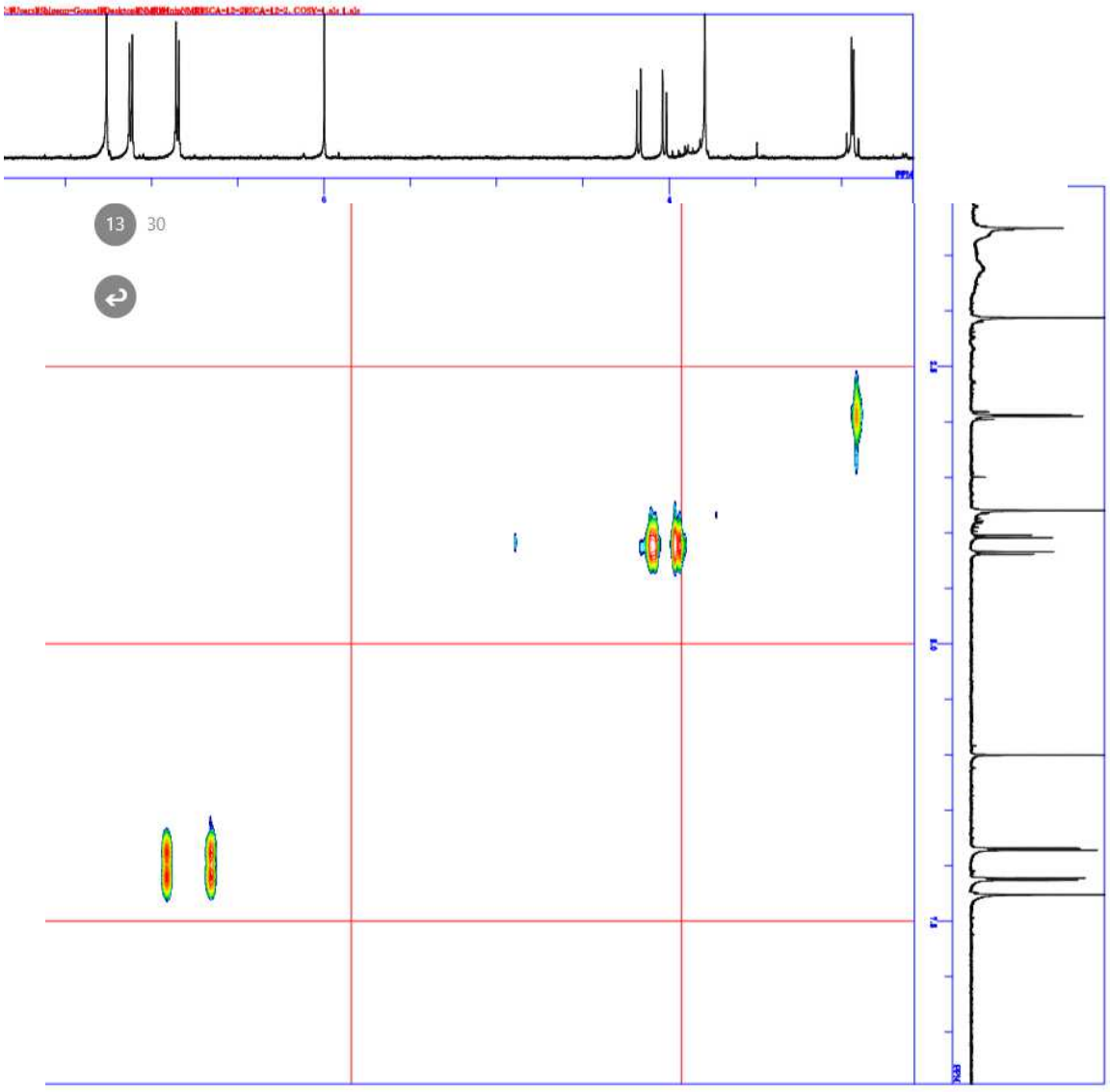

Figure S13: DQF-COSY spectrum of compound **9**

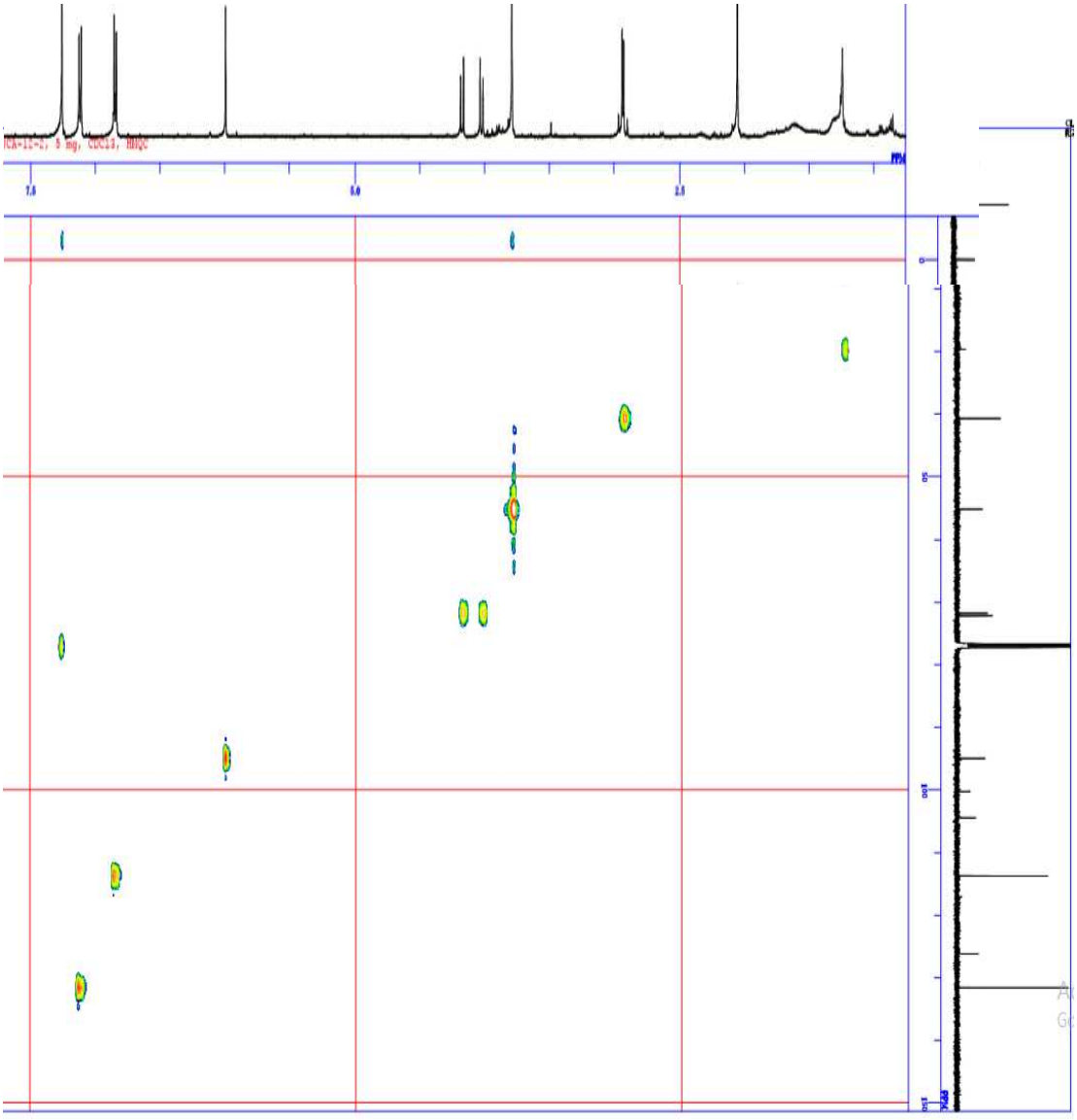

Figure S14: HSQC spectrum of compound **9**

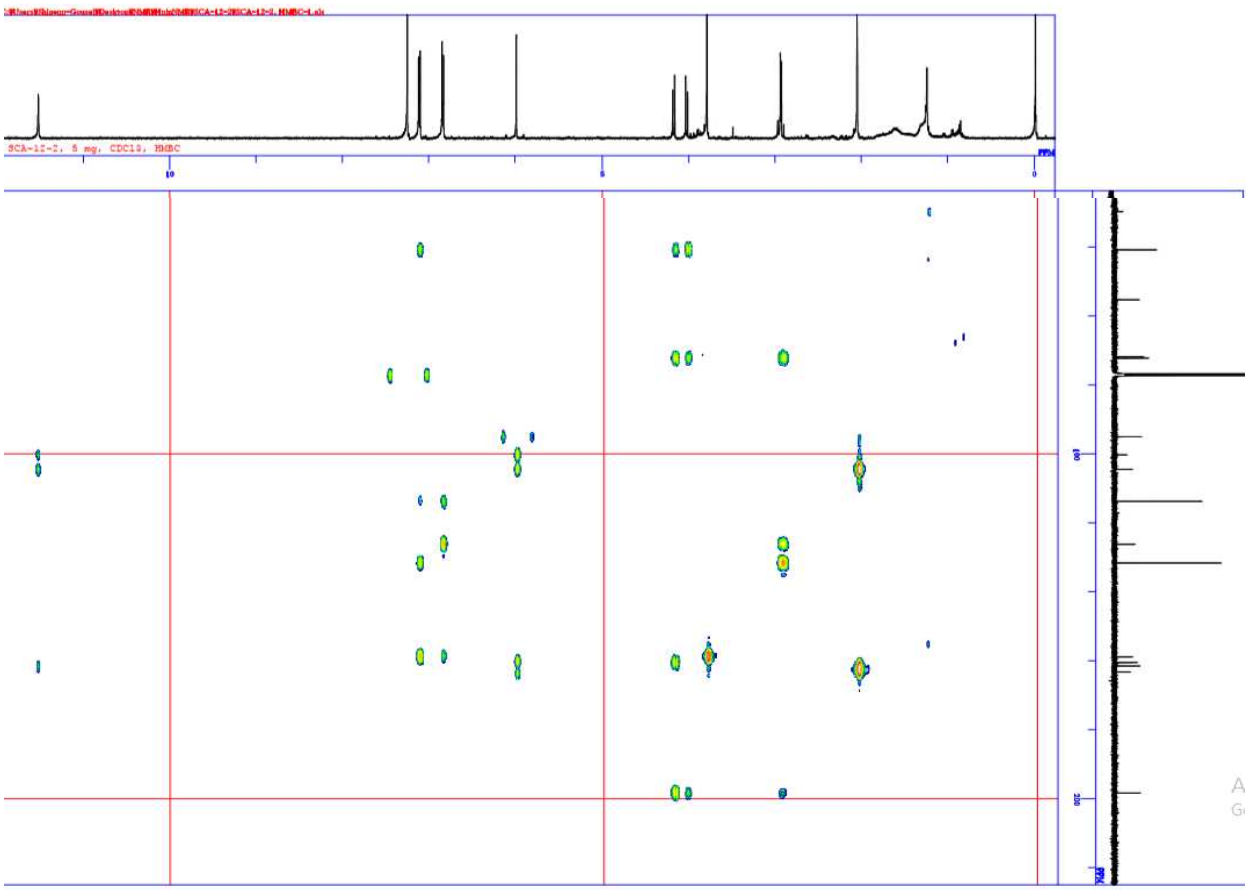

Figure S15: HMBC spectrum of compound **9**

Literature survey

Compound 2 (not isolated from *Sansevieria* genus) (**isolated from Asparagaceae**)*attached reference

* J. Liu, W.L. Mei, J. Wu, Y.X. Zhao, M. Peng, H.F. Dai (2009). A new cytotoxic homoisoflavonoid from *Dracaena cambodiana*, *J. Asian Nat. Prod. Res*. **11**, 192–195.

Compound 3 (not isolated from *Sansevieria* genus) (**isolated from Asparagaceae**) *attached reference

*W.B. Pan, F.R. Chang, L.M. Wei, Y.C. Wu (2003). New Flavans, Spirostanol Sapogenins, and a Pregnane Genin from *Tupistra chinensis* and Their Cytotoxicity, *J. Nat. Prod*. 66, 161-168.

Compound 4 (not isolated from *Sansevieria* genus) (**isolated from Asparagaceae**) *attached reference

*N. Kim, S.M. Ryu, D. H. Lee, J.W. Lee, E.K. Seo, J.H. Lee, D. Lee (2014). A metabolomic approach to determine the geographical origins of *Anemarrhena asphodeloides* by using UPLC–QTOF MS Journal of Pharmaceutical and Biomedical Analysis, *Journal of Pharmaceutical and Biomedical Analysis*, 92, 47-52.

Compound 5 (not isolated from *Sansevieria* genus) (not isolated from Asparagaceae)

Compound 6 (not isolated from *Sansevieria* genus) (**isolated from Asparagaceae**) *attached reference

*L. Hu, F.F. Wang, X.H. Wang, Q.S. Yang, Y. Xiong, W.X. Liu (2015). Phytoconstituents from the leaves of *Dracaena cochinchinensis* (Lour.) S. C. Chen, *Biochemical Systematics and Ecology*. 63, 1-5.

Compound 7 (not isolated from *Sansevieria* genus) (not isolated from Asparagaceae)

Compound 8 (not isolated from *Sansevieria* genus) (not isolated from Asparagaceae)

Compound 9 (not isolated from *Sansevieria* genus) (not isolated from Asparagaceae)

Compound 10 (not isolated from *Sansevieria* genus) (not isolated from Asparagaceae)

Note: Literature survey for structures on Scifinder and Reaxys.