

Supplementary Materials

Kokosanolide D: A New Tetranortriterpenoid from Fruit Peels of *Lansium domesticum* Corr. cv Kokossan

Fawwaz M. Fauzi, Sylvia R. Meilanie, Zulfikar, Kindi Farabi, Tati Herlina, Jamaludin Al Anshori and Tri Mayanti*

Departement of Chemistry, Faculty of Mathematics and Natural Sciences, Universitas Padjadjaran, Jatinangor 45363, West Java, Indonesia fawwaz18002@mail.unpad.ac.id (F.M.F); sylvia14001@mail.unpad.ac.id (S.R.M); zulfikar15002@mail.unpad.ac.id (Z); kindi.farabi@unpad.ac.id (K.F); tati.herlina@unpad.ac.id (T.H); jamaludin.al.anshori@unpad.ac.id (J.A)

* Correspondence: t.mayanti@unpad.ac.id; Tel.: +62-8132-010-2633 (T.M.)

Abstract: A novel tetranortriterpenoid named kokosanolide D has been isolated from fruit peels of *Lansium domesticum*. The structure of kokosanolide D was elucidated primarily on the basis of spectroscopic data including infrared, 1D and 2D-NMR as well as high resolution mass spectroscopy analysis and comparison with related compound previously reported.

Keywords: kokosanolide; tetranortriterpenoid; *Lansium domesticum*; Meliaceae

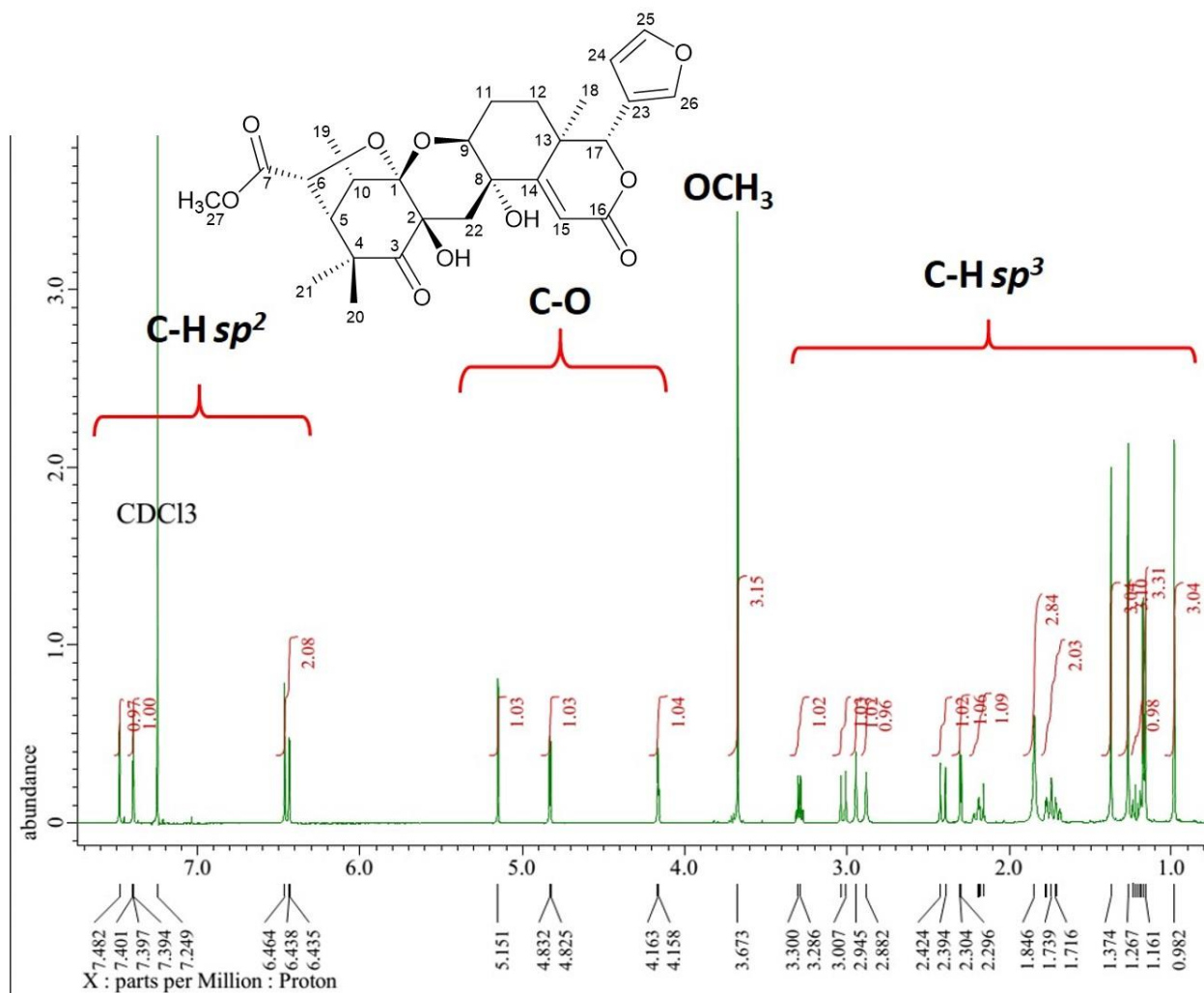


Figure S1. ¹H-NMR spectra of compound 1 in CDCl₃ (500 MHz)

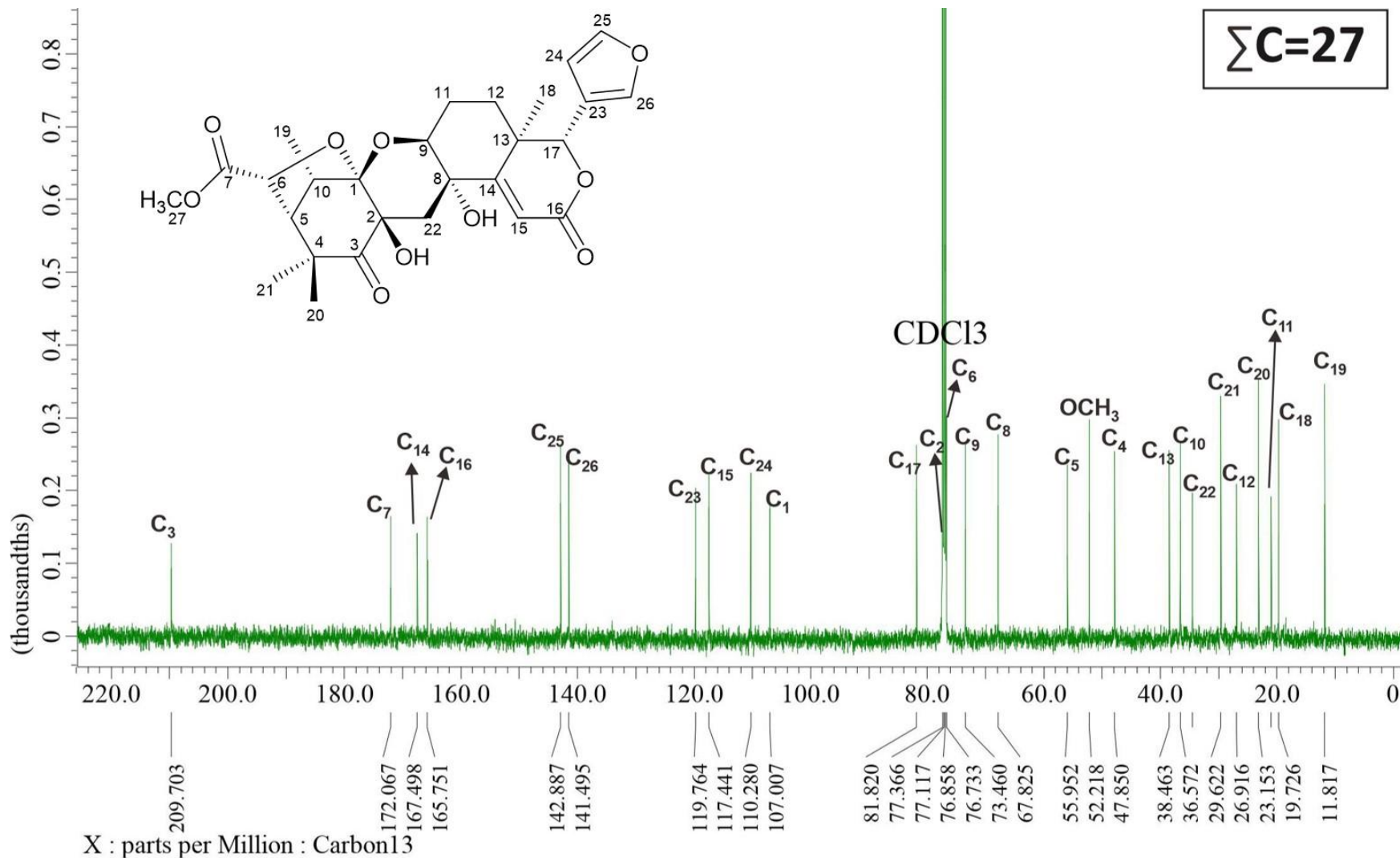


Figure S2. ¹³C-NMR spectra of compound 1 in CDCl₃ (125 MHz)

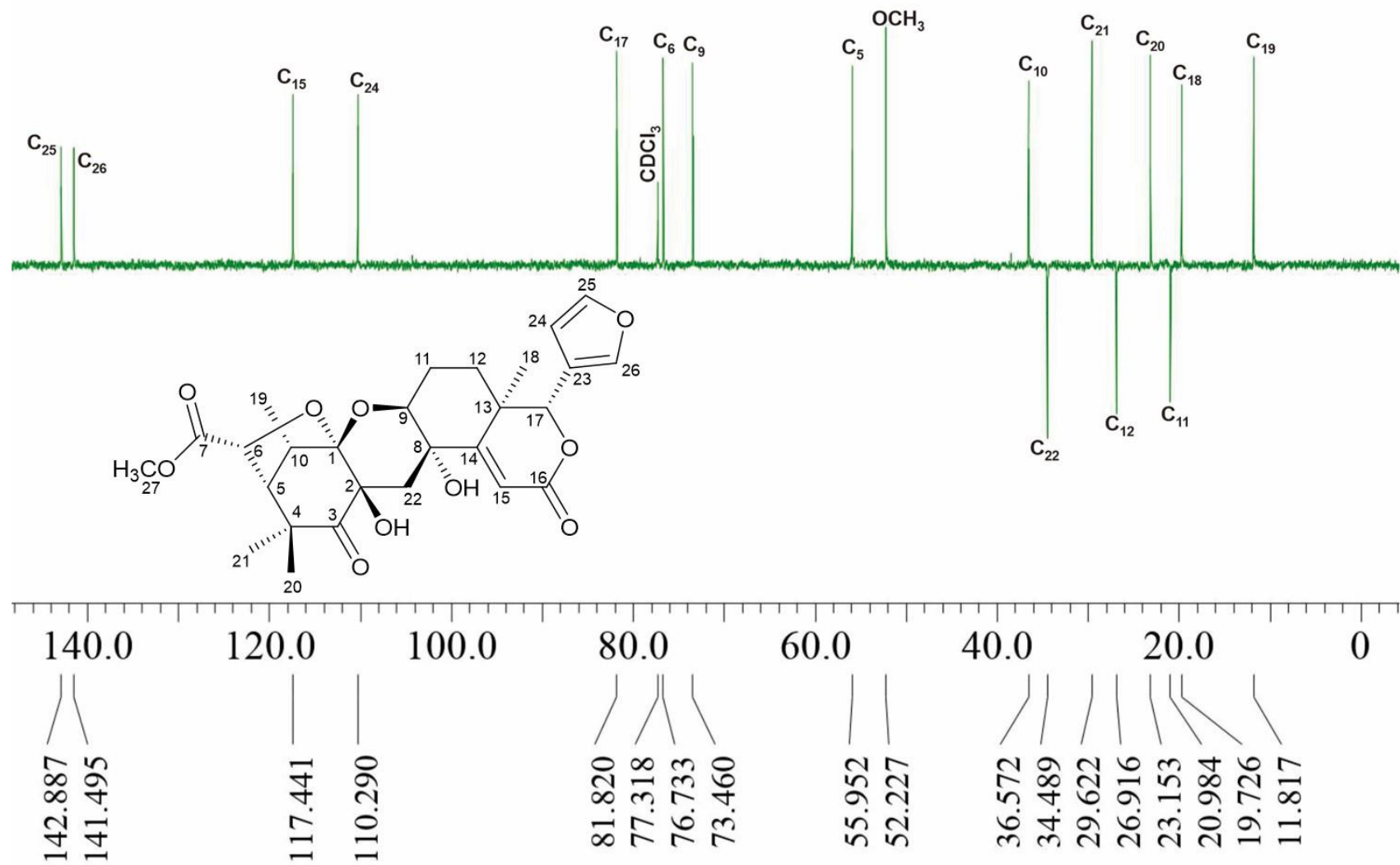


Figure S3. DEPT-135° spectra of compound 1 in CDCl₃ (500 MHz)

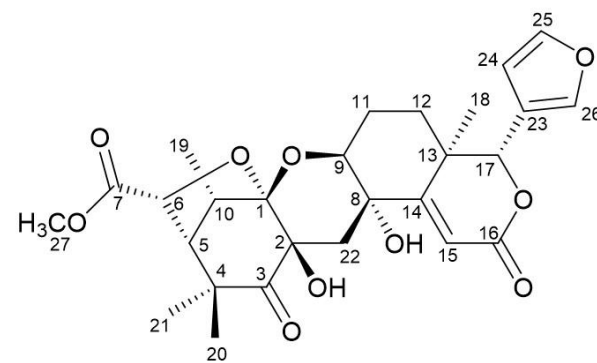
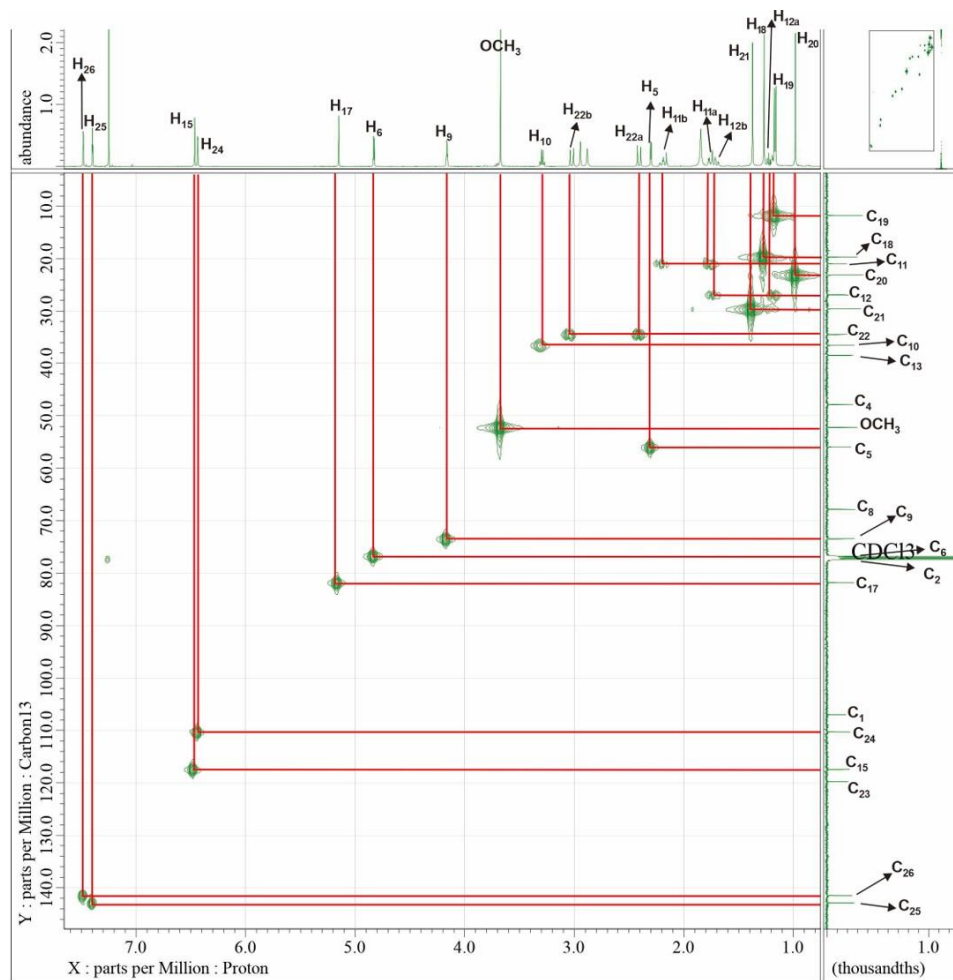


Figure S4. HMQC spectra of compound 1 in CDCl₃

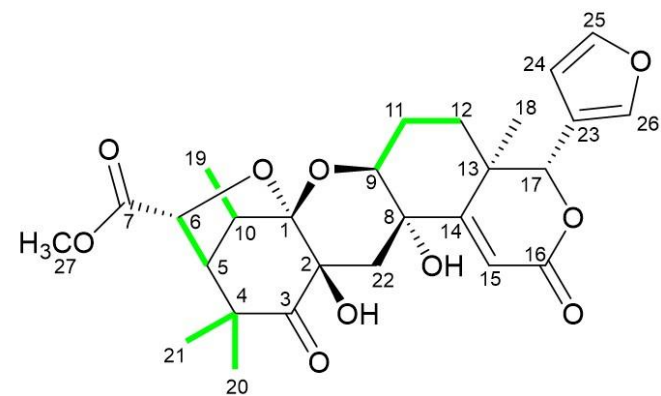
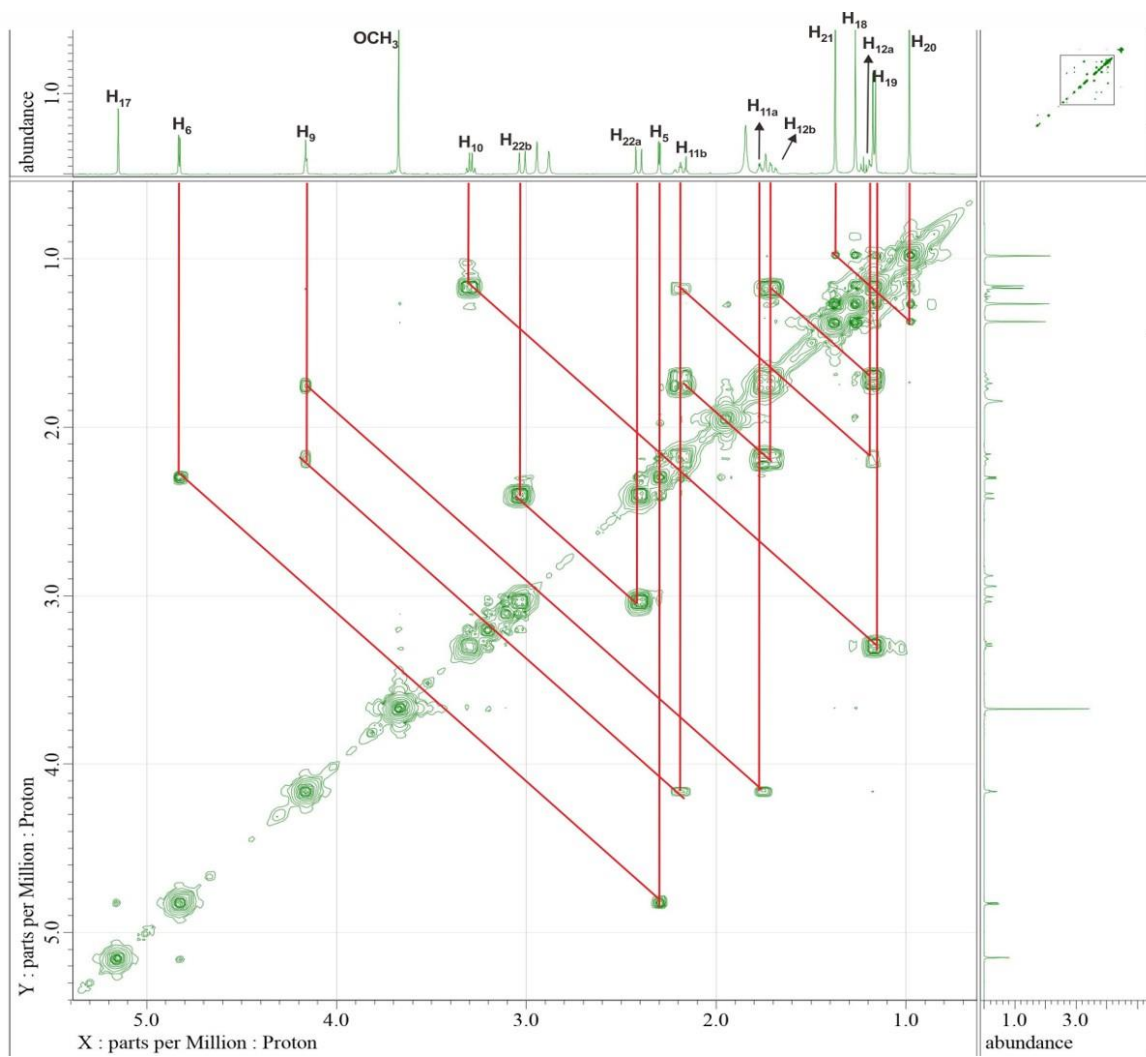


Figure S5. ^1H - ^1H COSY spectra of compound 1 in CDCl_3

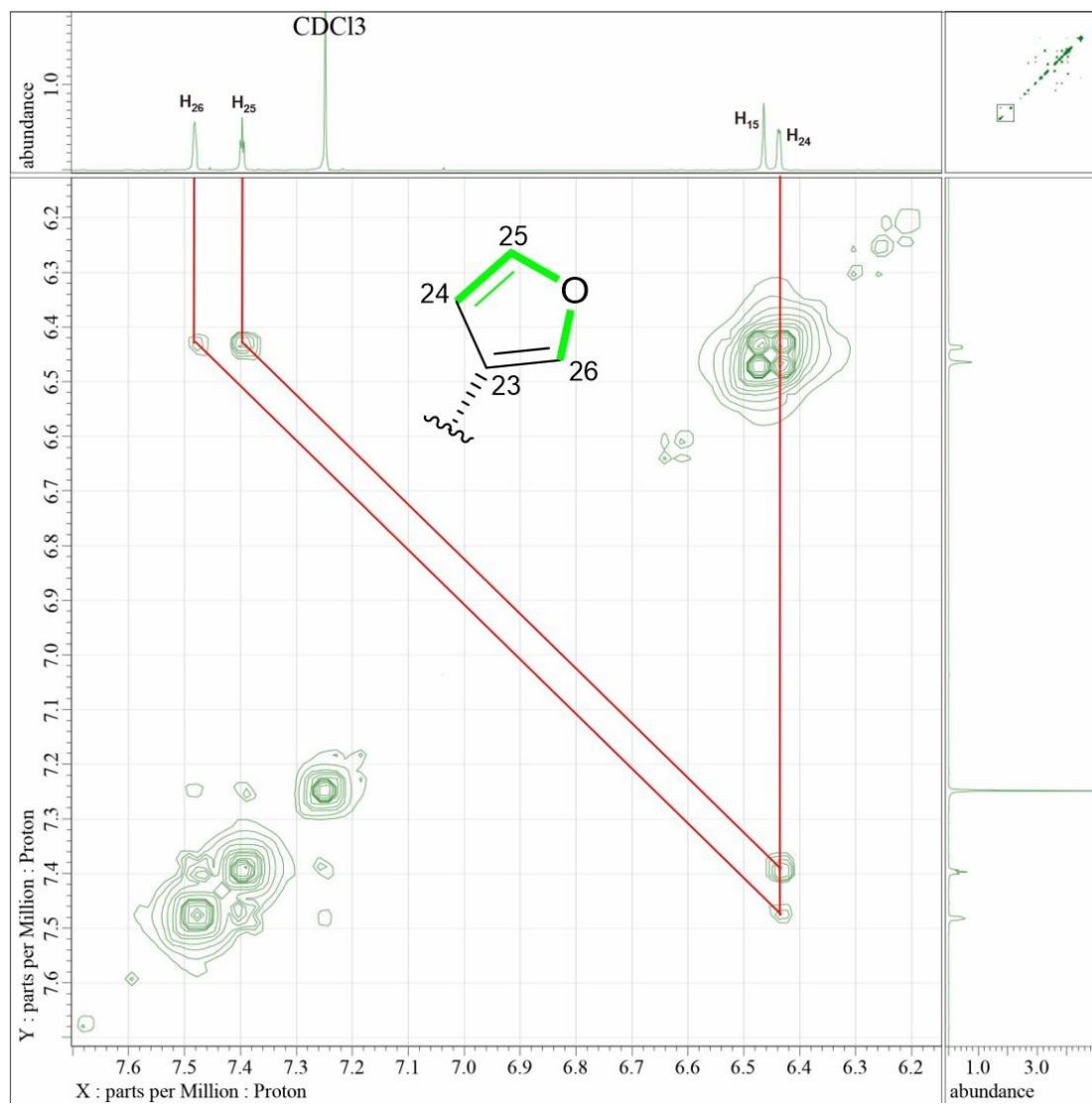


Figure S5. Cont.

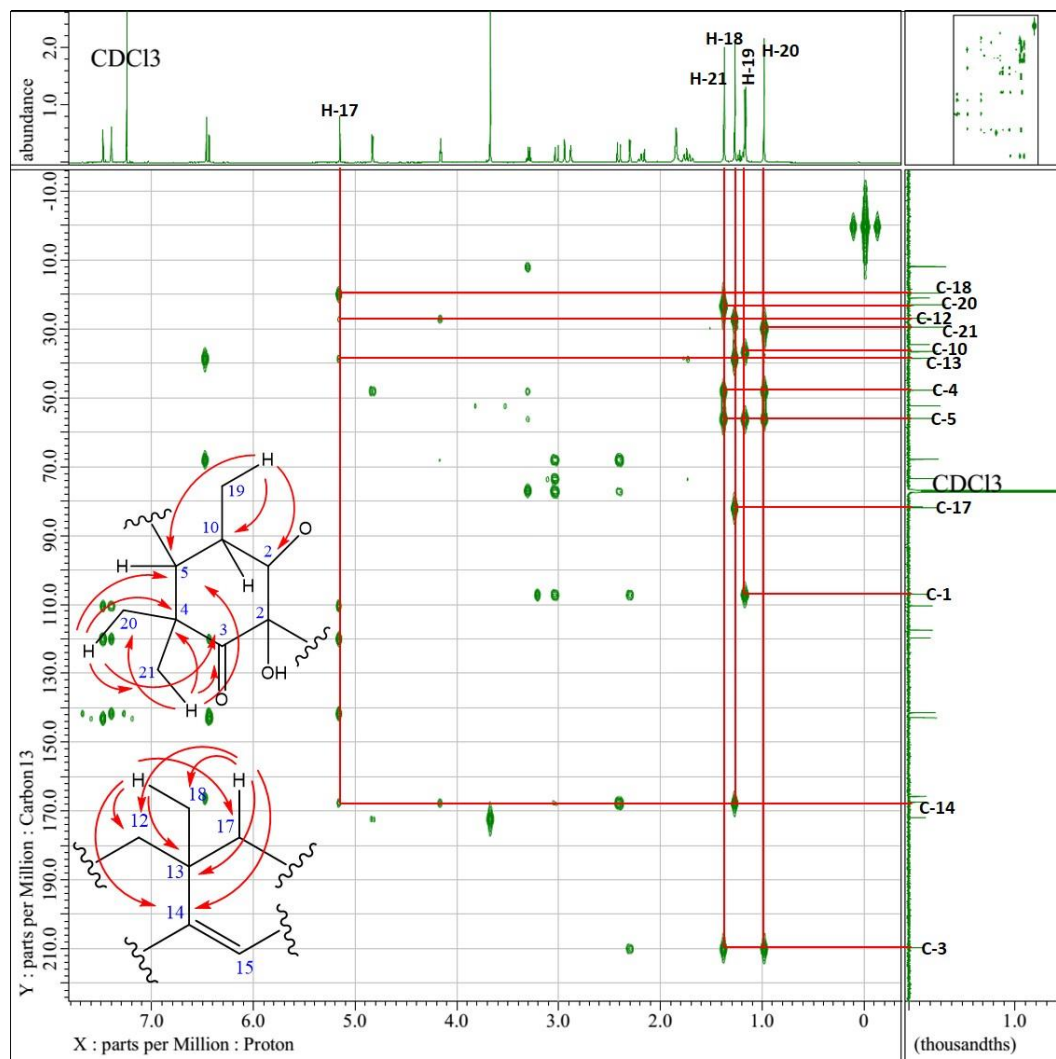


Figure S6. HMBC spectra of compound 1 in CDCl₃

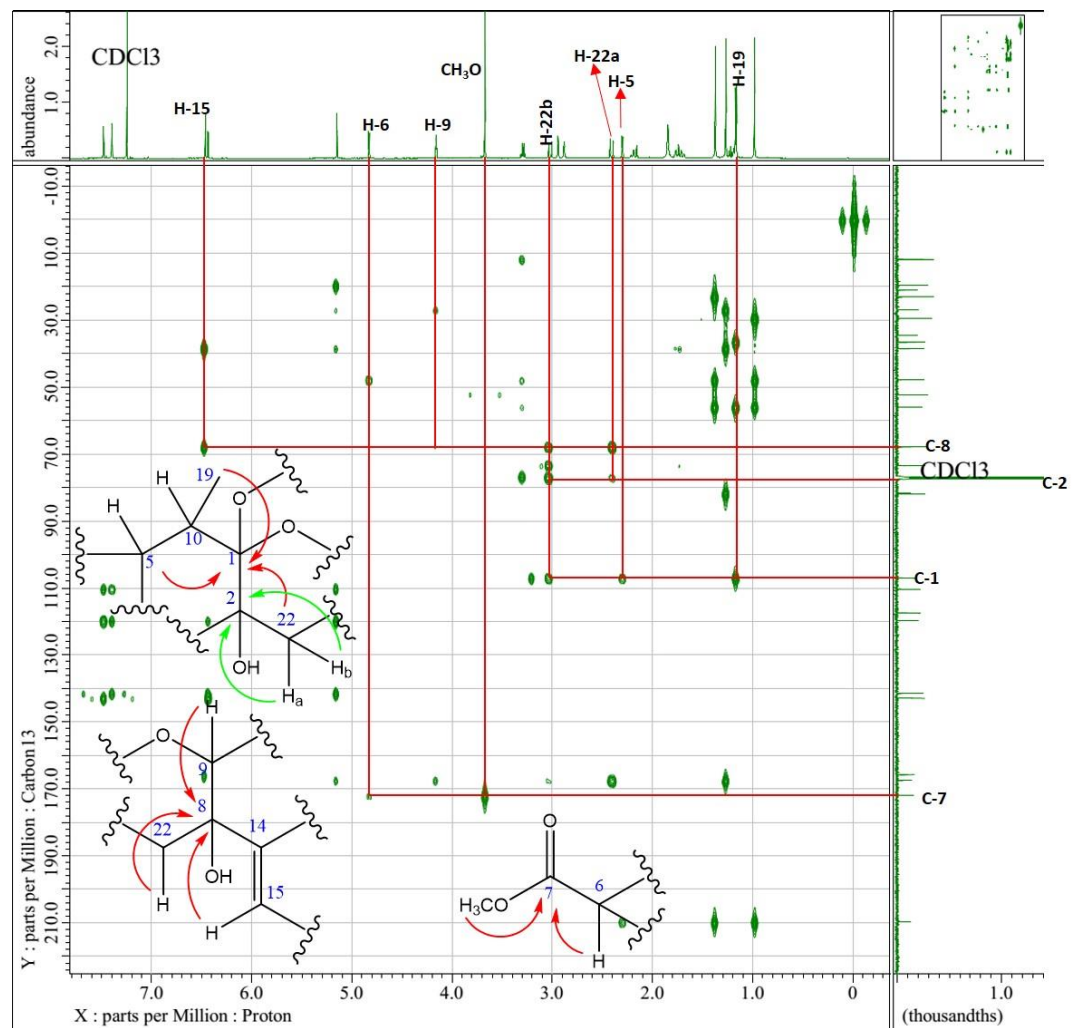


Figure S6. Cont.

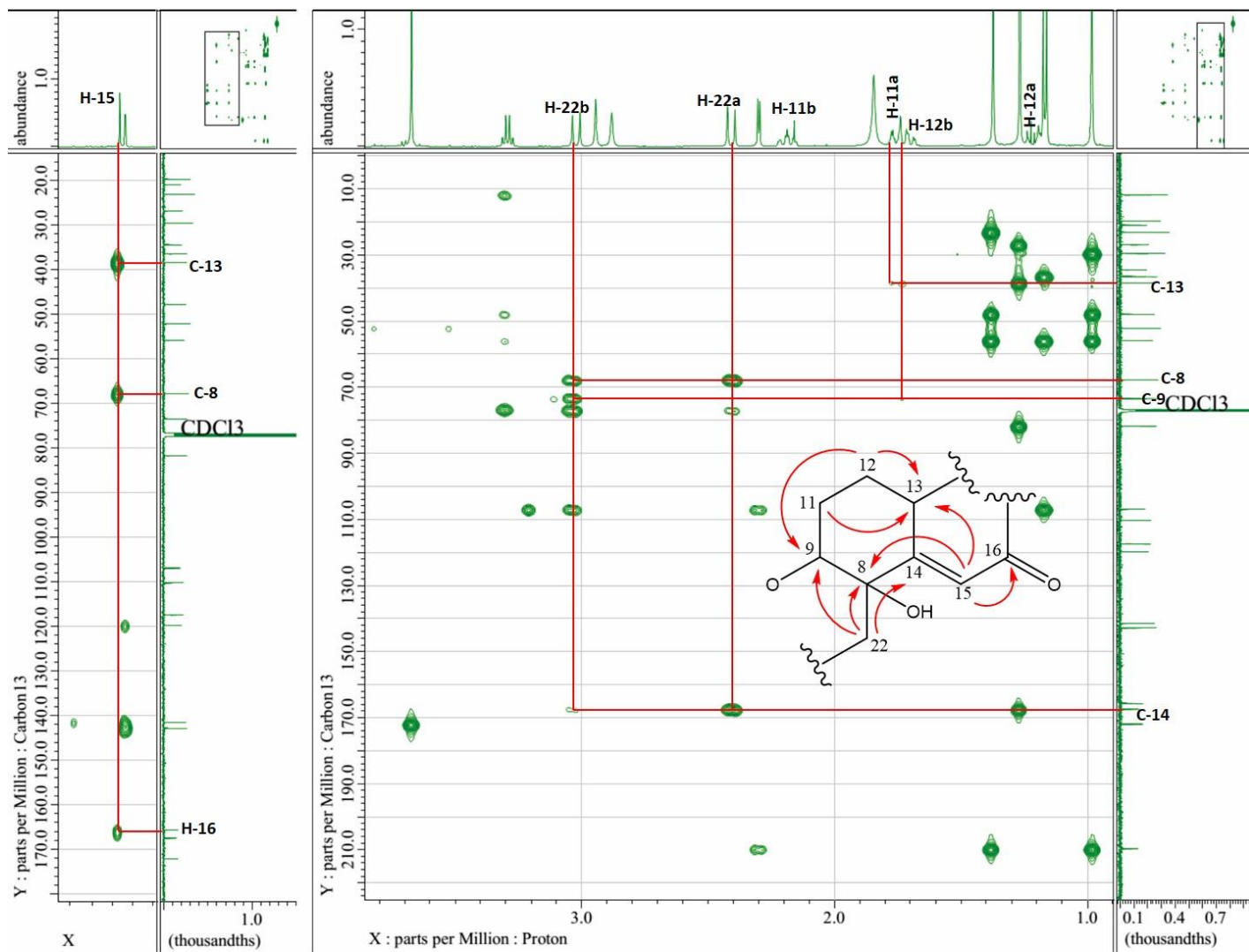


Figure S6. Cont.

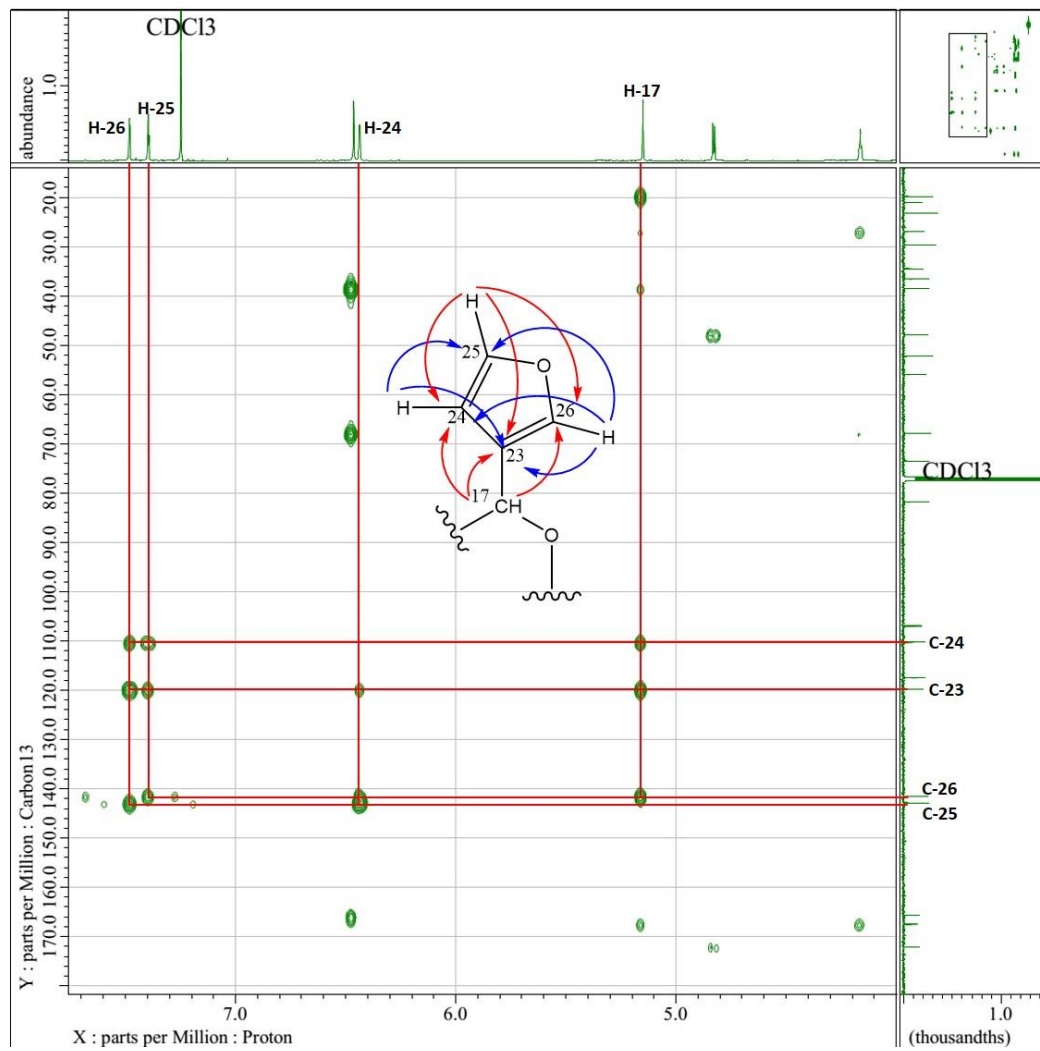


Figure S6. Cont.

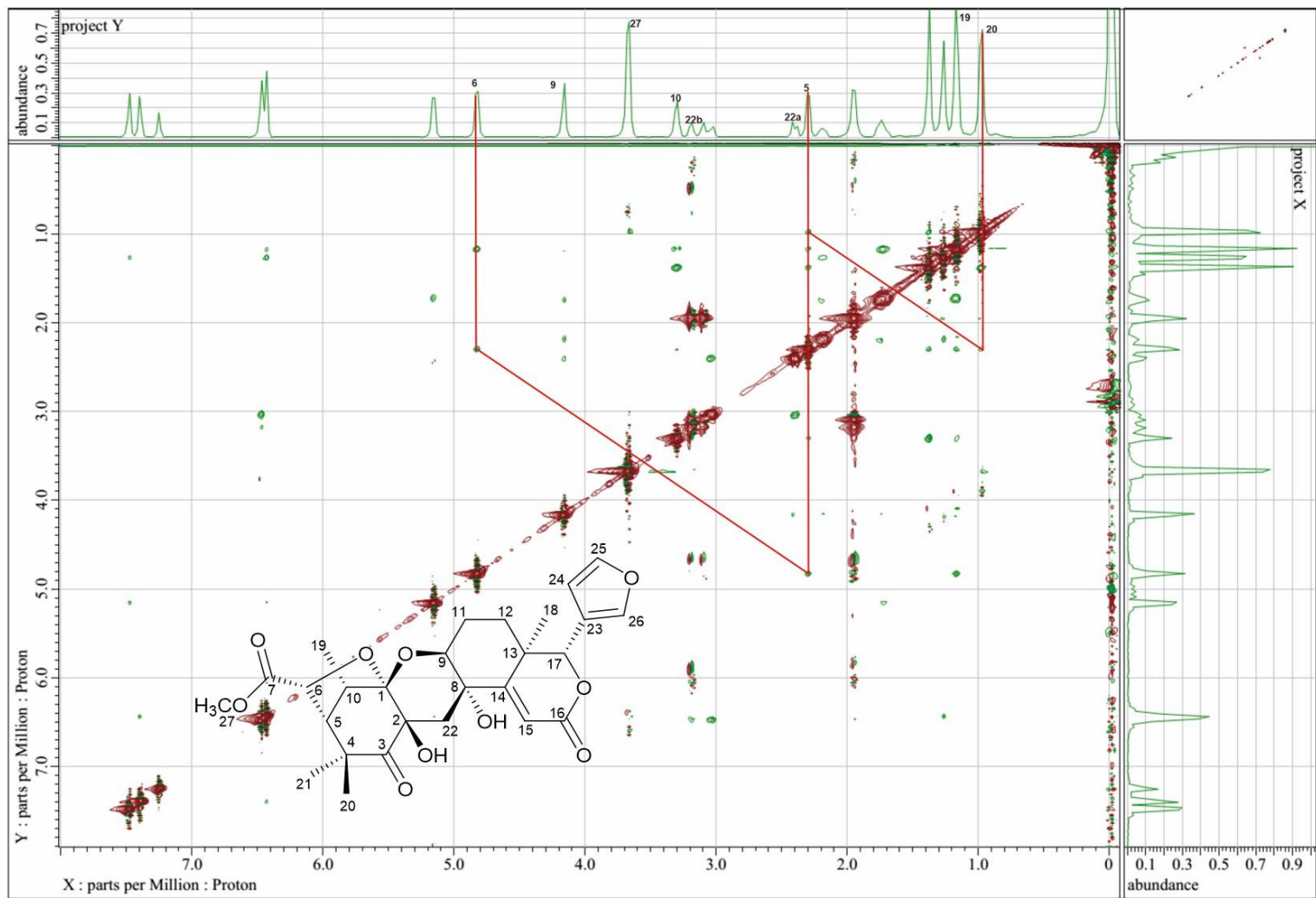
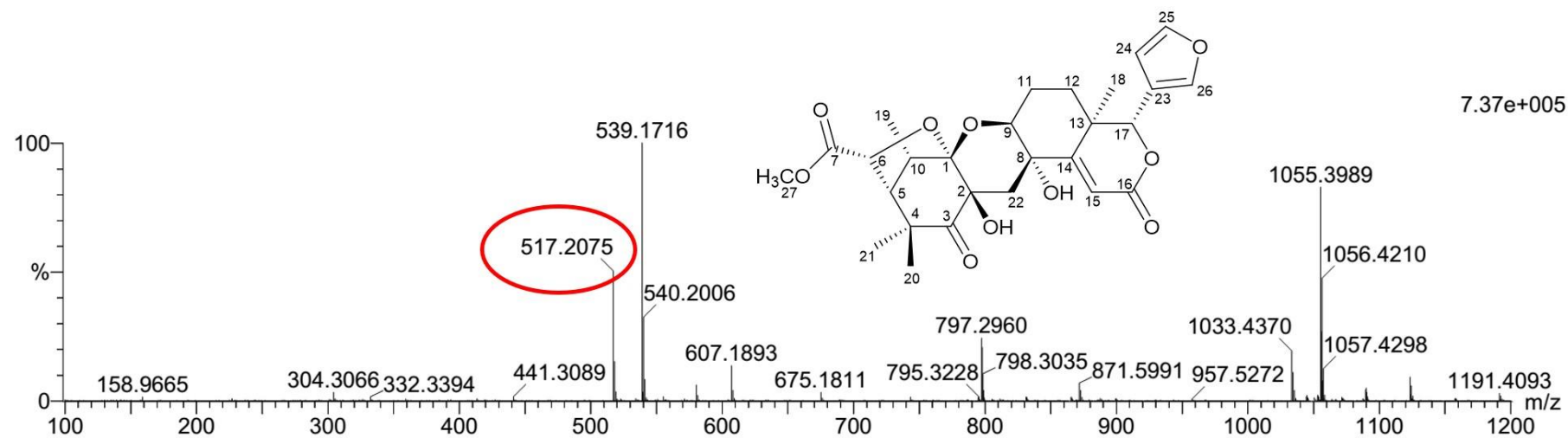


Figure S7. NOESY spectra of compound 1 in CDCl₃



Minimum:
Maximum:

5.0 10.0 -1.5
50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	i-FIT (Norm)	Formula
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517.2075	517.2074	0.1	0.2	11.5	245.7	0.0	C27 H33 O10
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Figure S8. HRTOFMS spectra of compound **1**

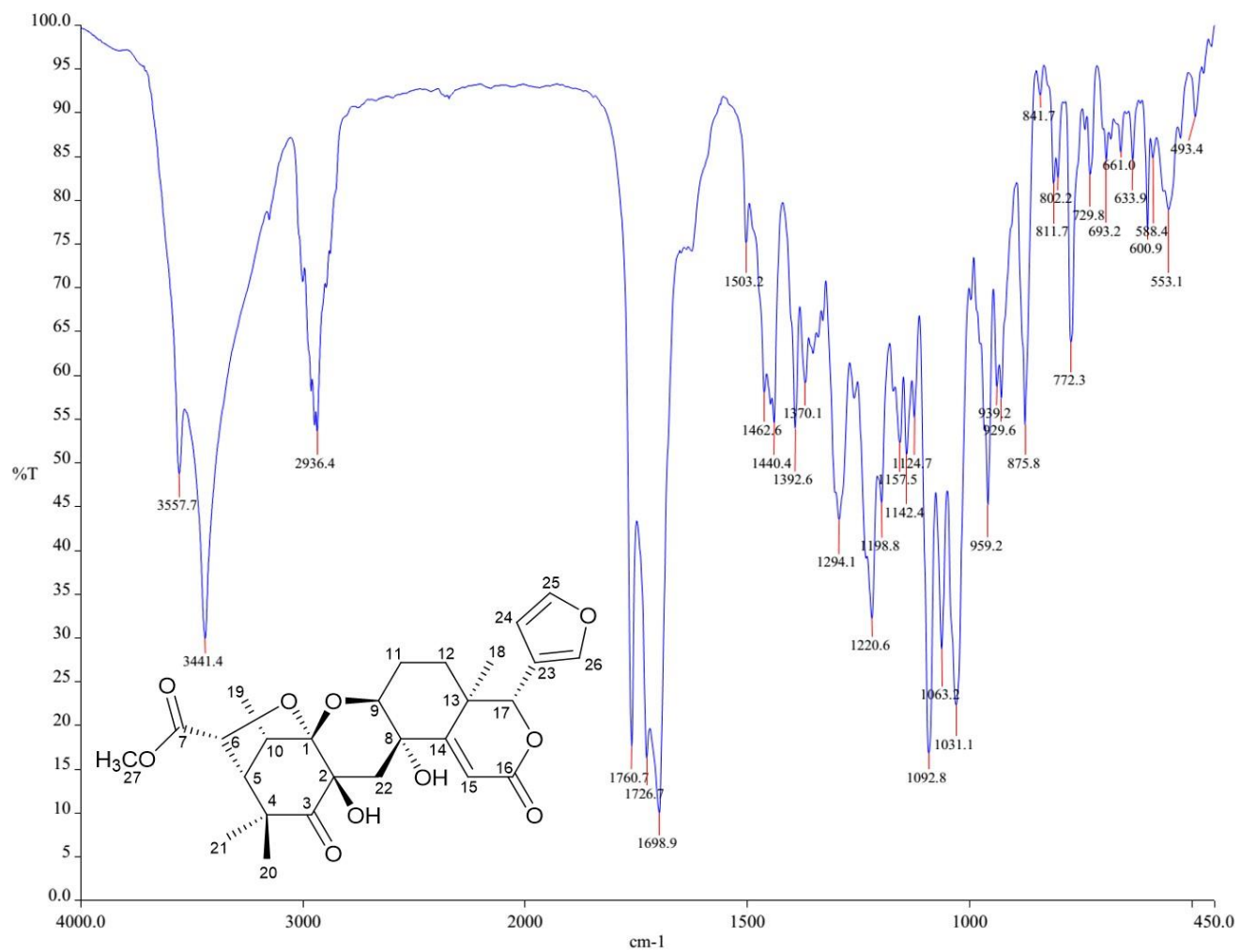
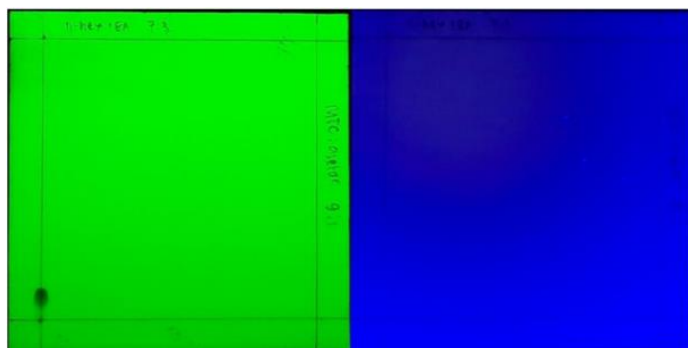
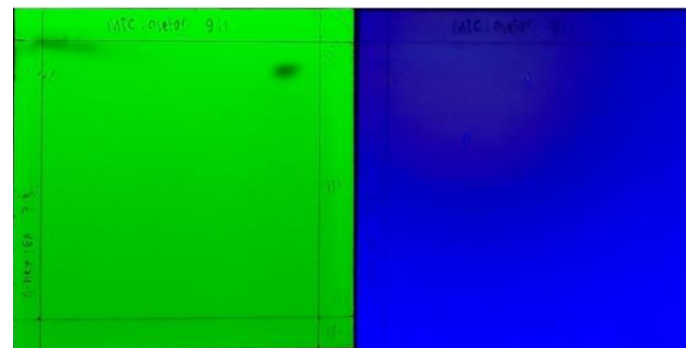


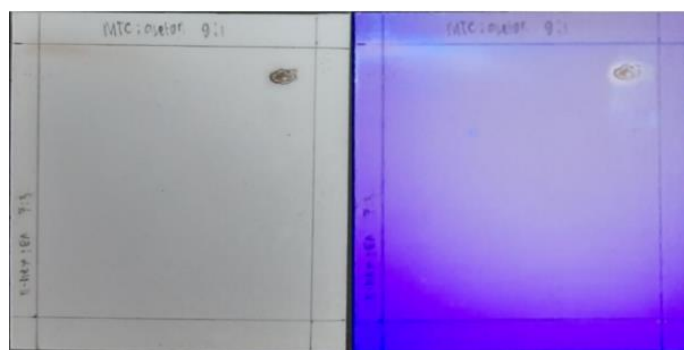
Figure S9. IR (KBr disc) spectra of compound 1



(a)



(b)



(c)

(a) n-hexane : ethyl acetate (7:3)

(b) dichloromethane : acetone (7:3), before spraying with H₂SO₄ 10% in EtOH and heating

(c) dichloromethane : acetone (7:3), after spraying with H₂SO₄ 10% in EtOH and heating

Figure S10. 2D TLC Profile of compound **1**