Supporting Information

Rec. Nat. Prod. 14:1 (2020) 77-82

Inhibition of iNOS Induction and NF-κB Activation by Taste Compounds from the Edible Mushroom *Tricholoma*caligatum (Viv.) Ricken

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Table S1. Gradient method of the semi-preparative HPLC system.

Time	Flow	%MeOH	%H ₂ O
0.01	3.00	10.0	90.0
10.00	3.00	20.0	80.0
20.00	3.00	30.0	70.0
25.00	3.00	50.0	50.0
35.00	3.00	100.0	0.0
60.00	3.00	100.0	0.0

Compounds **1-3** were purified on a reversed-phase Phenomenex C18 column (Gemini® 5 μm C18 110 Å, LC Column 250 x 21.2 mm, AXIATM Packed) using a Waters 2795 HPLC system equipped with Photodiode Array detector. The column was eluted using a linear gradient mode with two different solvent: (A) MeOH, (B) H₂O, at a flow rate of 3.0 mL/min. The initial percent of solvent A was 20%. The percent of solvent A was constant for the initial 2 min, increased to 20% at 0–10 min, increased to 30% at 10–20 min, increased to 50% at 20–25 min, increased to 100% at 25–35 min, and remained constant at 100% at 35–60 min (Table S1). The elution was monitored using a wavelength of 354, 254 and 210 nm.

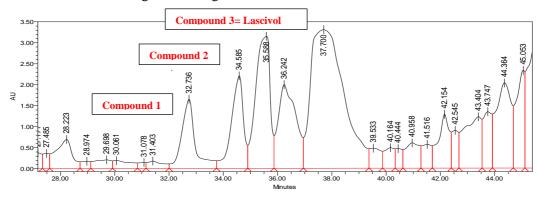


Figure S1: HPLC chromatogram of compounds 1-3.

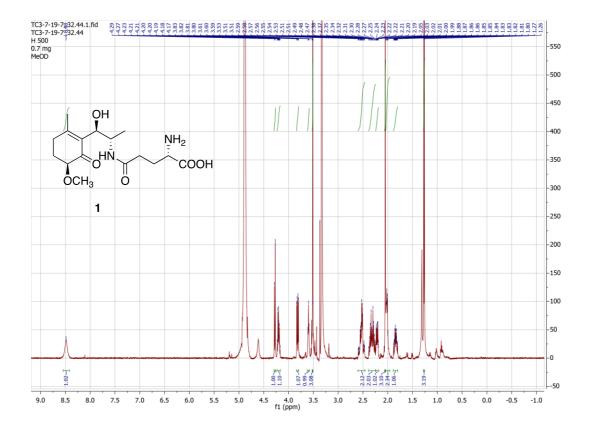


Figure S2: ¹H NMR (500 MHz, CD₃OD) spectrum of **1**.

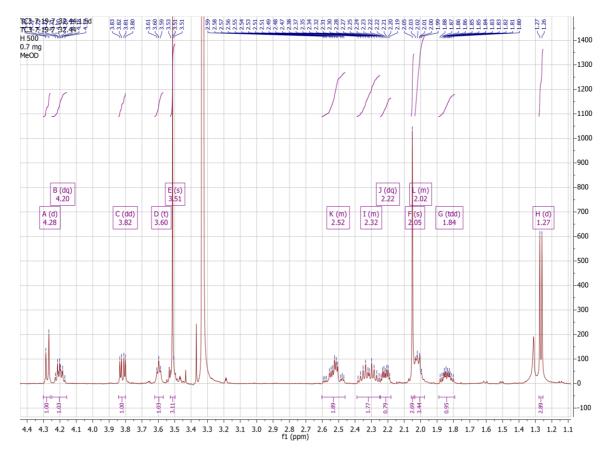


Figure S3: ¹H NMR (500 MHz, CD₃OD) spectrum of **1** expanded from 1.1 to 4.4 ppm

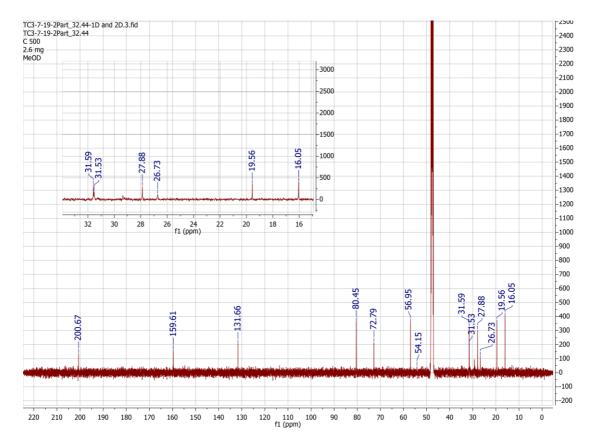


Figure S4: ¹³C NMR (500 MHz, CD₃OD) spectrum of 1.

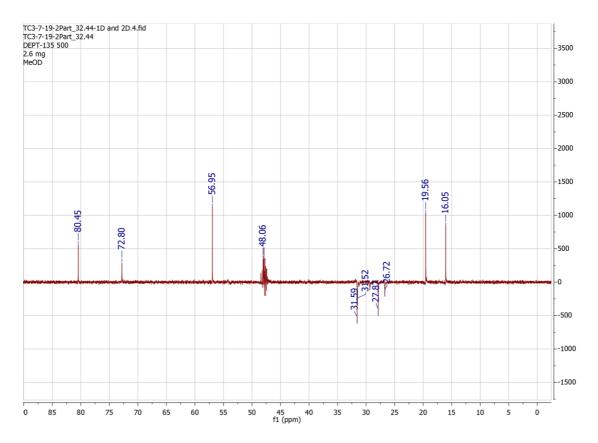


Figure S5: DEPT 135 spectrum of **1**.

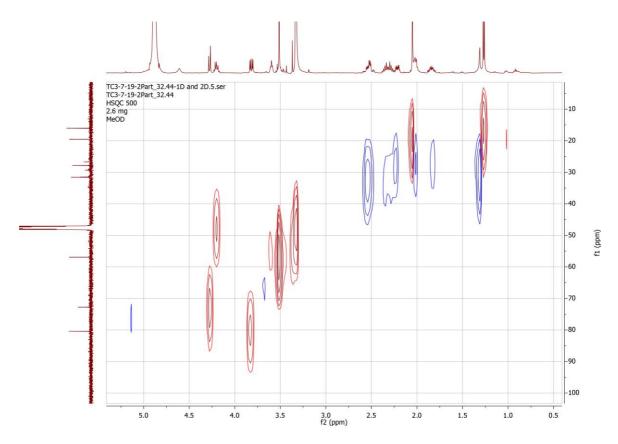


Figure S6: HSQC spectrum of 1.

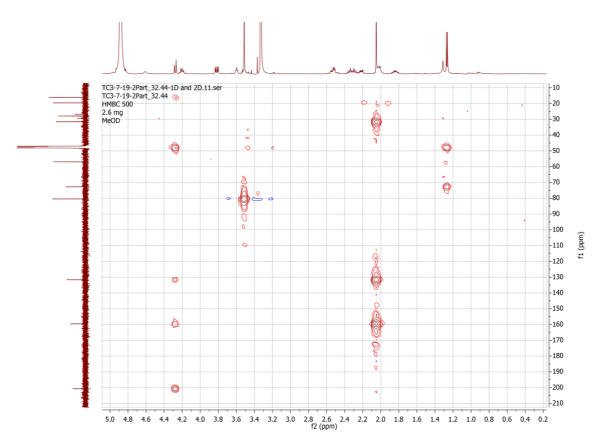


Figure S7: HMBC spectrum of 1.

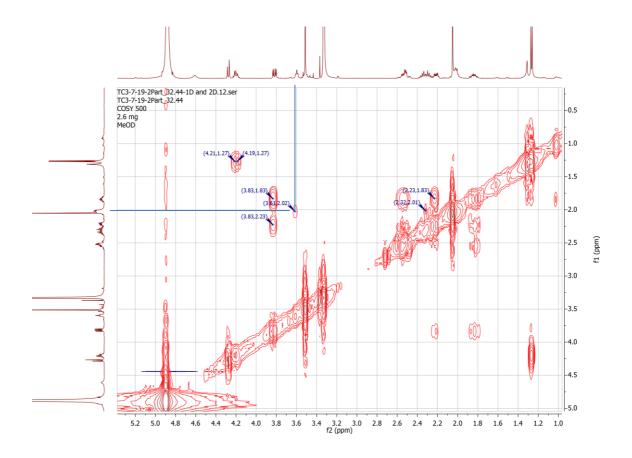


Figure S8: COSY spectrum of 1.

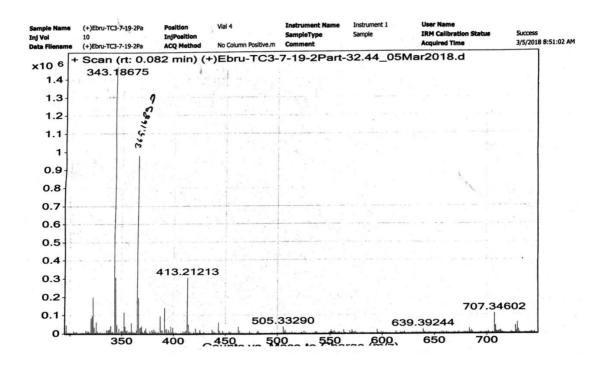


Figure S9: Mass spectrum of 1.



Sample ID:TC3-7-19-2Part_32.44 Sample Scans:8 Background Scans:8 Resolution:4

07T15-23-39.a2r

Method Name:galal 1 User:galal Date/Time:03/07/2018 3:23:39 PM Range:4000 - 650 System Status:Good Apodization:Happ-Genzel File Location:C:\Program Files\Agilent\MicroLab PC\Results\\galal 1\TC3-7-19-2Part_32.44_2018-03-

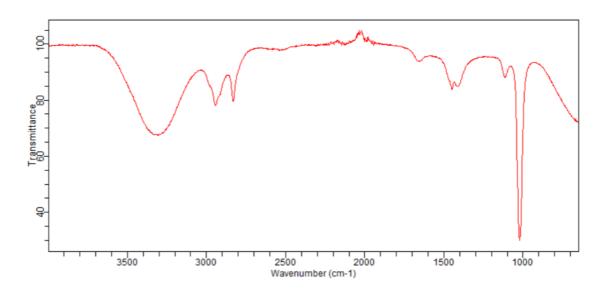


Figure S10: IR spectrum of 1.

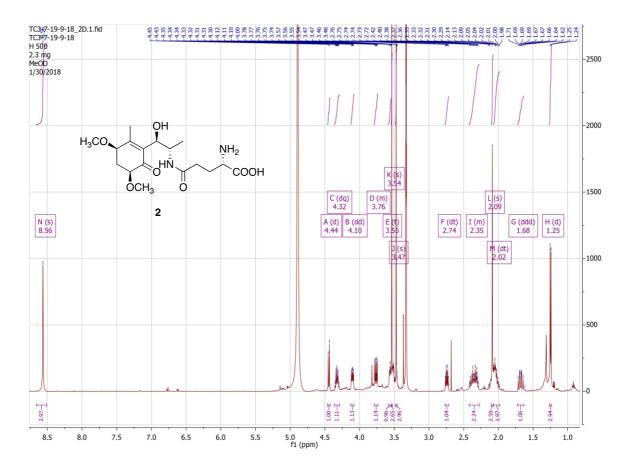


Figure S11: ¹H NMR (500 MHz, CD₃OD) spectrum of **2**.

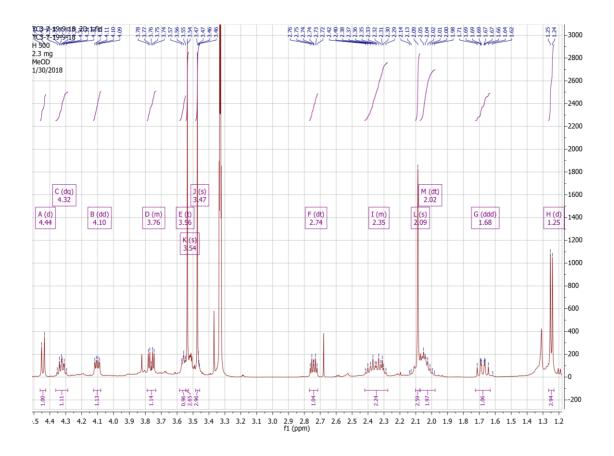


Figure S12: ¹H NMR (500 MHz, CD₃OD) spectrum of **2** expanded from 1.2 to 4.5 ppm.

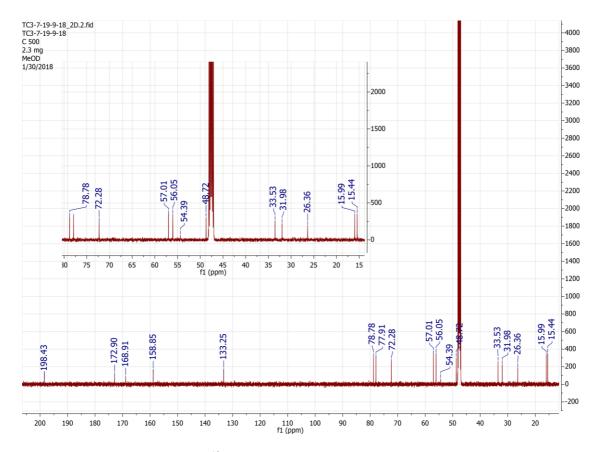


Figure S13: ¹³C NMR (500 MHz, CD₃OD) spectrum of **2**.

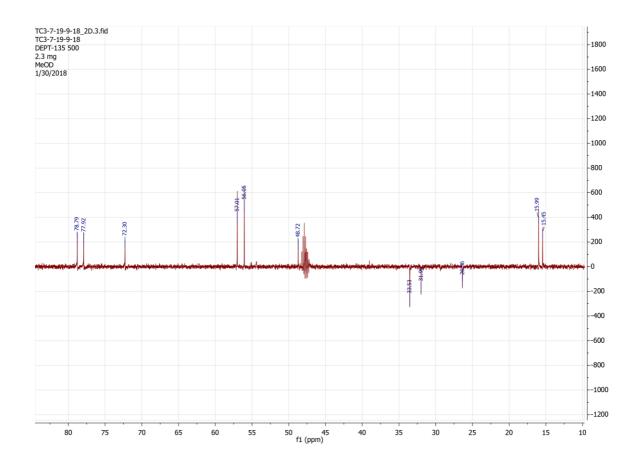


Figure S14: DEPT 135 spectrum of **2**.

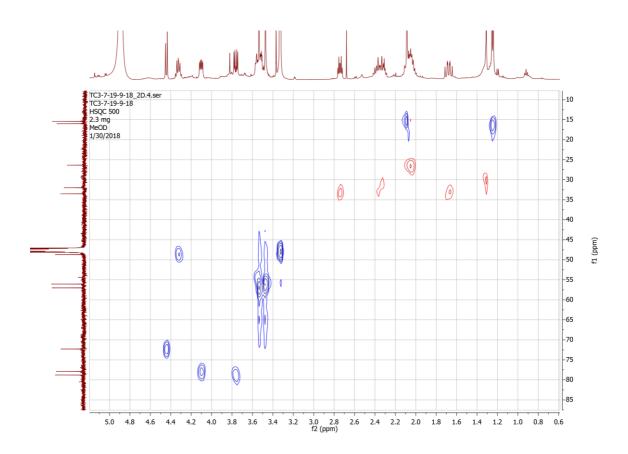


Figure S15: HSQC spectrum of 2.

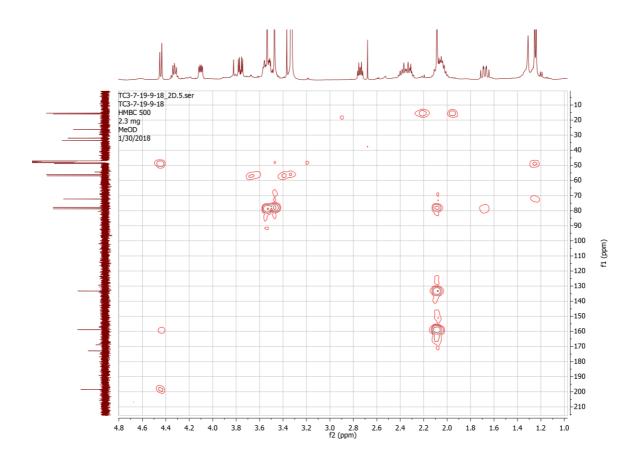


Figure S16: HMBC spectrum of 2.

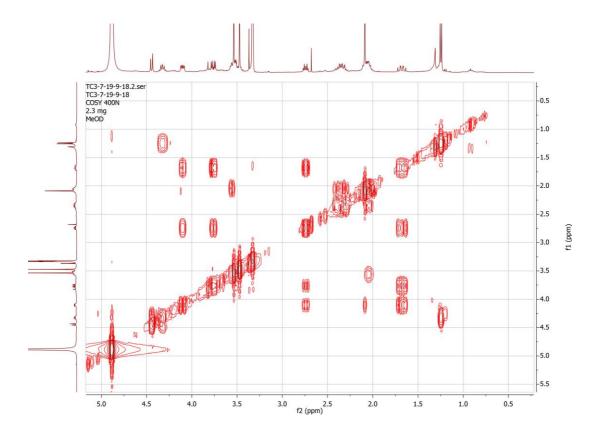


Figure S17: COSY spectrum of 2.

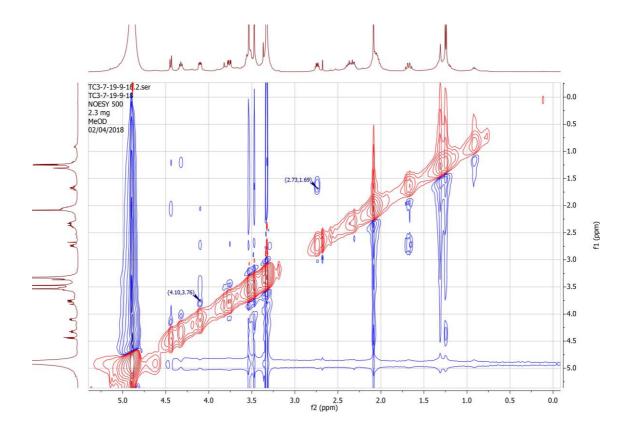


Figure S18: NOESY spectrum of 2.

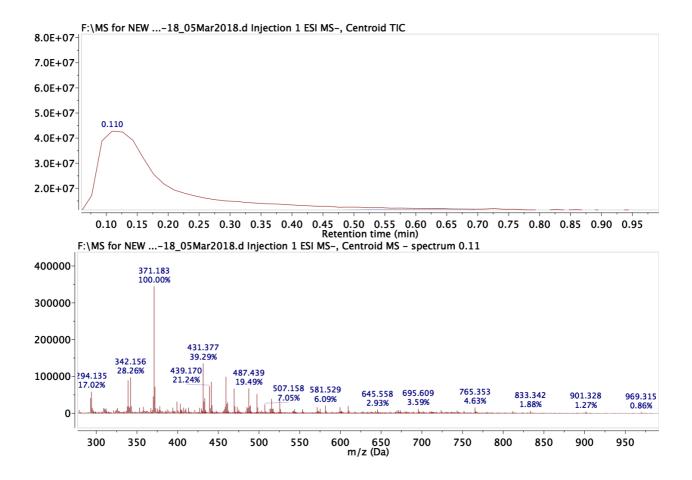


Figure S19: Mass spectrum of 2.



Sample ID:TC3-7-19-9-18
Sample Scans:8
Background Scans:8
Resolution:4
System Status:Good
File Location:C:\Program Fi

Method Name:galal 1 User:galal Date/Time:02/20/2018 5:54:50 PM Range:4000 - 650 Apodization:Happ-Genzel

File Location:C:\Program Files\Agilent\MicroLab PC\Results\\galal 1\TC3-7-19-9-18_2018-02-20T17-54-50.a2r

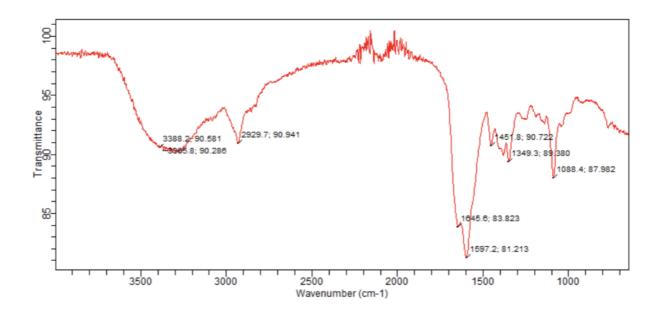


Figure S20: IR spectrum of 2.

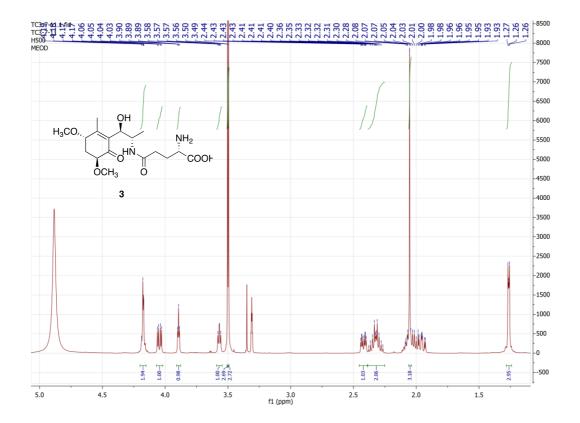


Figure S21: ¹H NMR (500 MHz, CD₃OD) spectrum of 3.

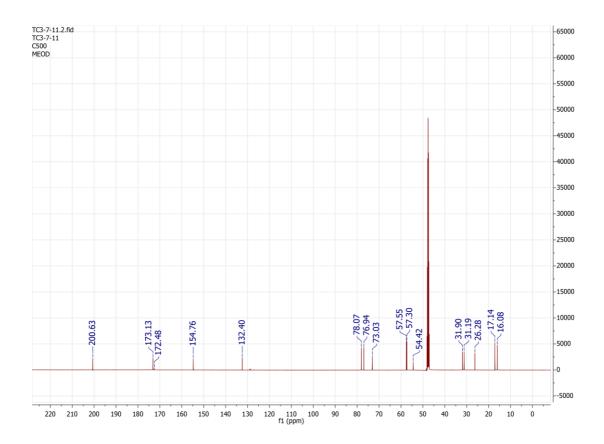


Figure S22: ¹³C NMR (500 MHz, CD₃OD) spectrum of 3.

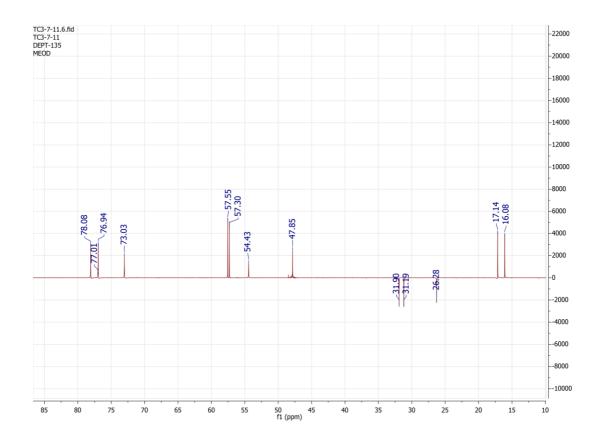


Figure S23: DEPT 135 spectrum of **3**.

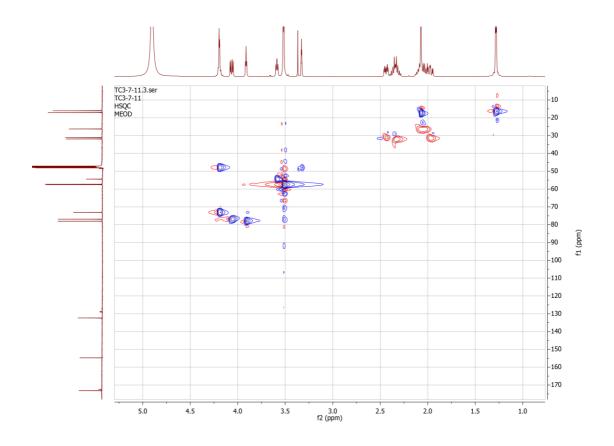


Figure 24: HSQC spectrum of 3.

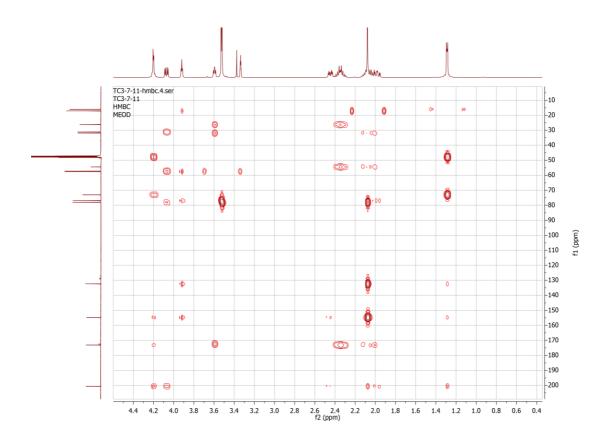


Figure S25: HMBC spectrum of **3**.

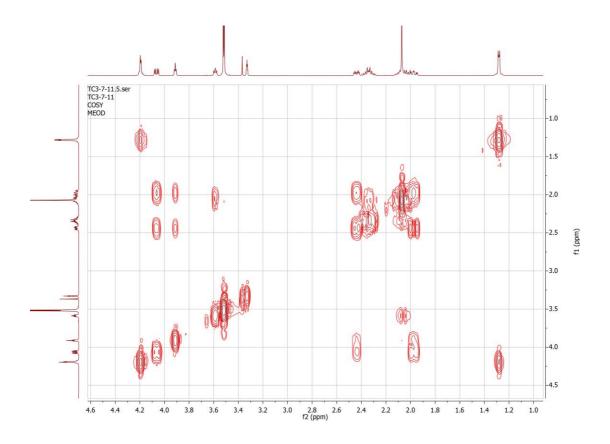


Figure S26: COSY spectrum of 3.

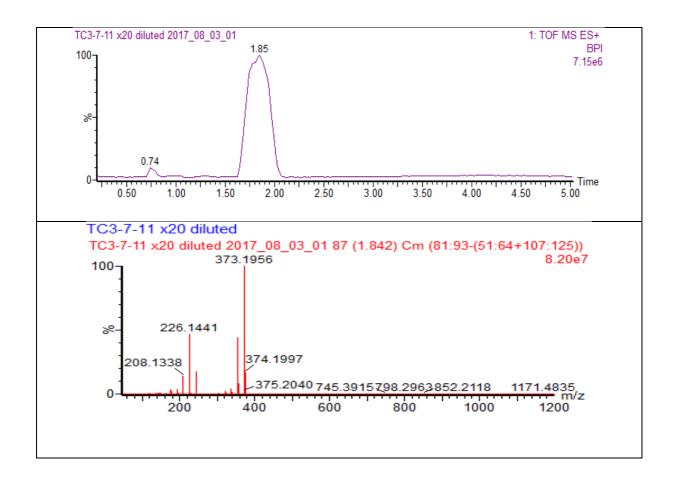


Figure S27: Mass spectrum of **3**.



Sample ID:TC3-7-11 Sample Scans:8 Background Scans:8 Resolution:4 System Status:Good Method Name:galal 1 User:galal Date/Time:02/20/2018 5:42:57 PM Range:4000 - 650 Apodization:Happ-Genzel

System Status:Good Apodization:Happ-Genzel File Location:C:\Program Files\Agilent\MicroLab PC\Results\galal 1\TC3-7-11_2018-02-20T17-42-57.a2r

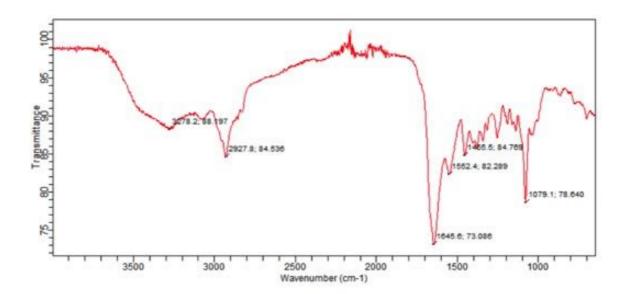


Figure S28: IR spectrum of 3.