

SUPPLEMENTARY MATERIAL

A new pyridine alkaloid from *Zingiberis rhizoma*

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Abstract: A new alkaloid, named 2-methoxy-4-(2-(2-pyridine)-ethyl) phenol (1), together with two known compounds, were isolated from *Zingiberis rhizoma*. Their structures were elucidated on the basis of 1D and 2D NMR spectra and MS spectra. Compound 1 exhibited substantial bioactivity against *Candida albicans* ATCC 10231 with a MIC of 1.0 mg/ml.

Keywords: 2-methoxy-4-(2-(2-pyridine)-ethyl) phenol; zingerone; Cyclo-(4-methyl-R-Pro-S-Nva); *Zingiberis rhizoma*; antibacterial activity; antifungal activity

List of Supplemental Material

Figure S1. HRESIMS spectrum of **1**.

Figure S2. ^1H NMR (600 MHz, CDCl_3) of **1**.

Figure S3. ^{13}C NMR (150 MHz, CDCl_3) of **1**.

Figure S4. ^1H - ^1H COSY spectrum of **1**.

Figure S5. HMBC spectrum of **1**.

Figure S6. HMQC spectrum of **1**.

Figure S7. Key HMBC correlations of **1**.

Display Report	
Analysis Info	
Acquisition Date	2015/20/10 10:03:28
Method	20151020-ERT-POS.dam
Sample name	GJ1
Instrument	AB Sciex 5600
Acquisition Parameter	
Source Type	TOF MS ²
Focus	Active
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Scan End	1000 m/z
Ion Polarity	Positive
CE	40.000
CES	10.000

Spectrum from 20151020-WDQ-POS-GJ.wiff (sample 1) ...nt 1, +TOF MS (100 - 1000) from 0.102 to 0.133 min

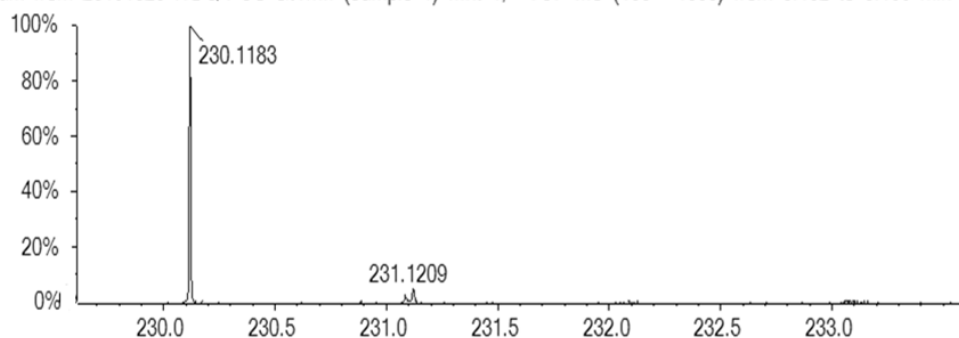


Figure S1 The HR-ESI-MS spectrum of compound **1**

GJ-1 H
CDCl₃

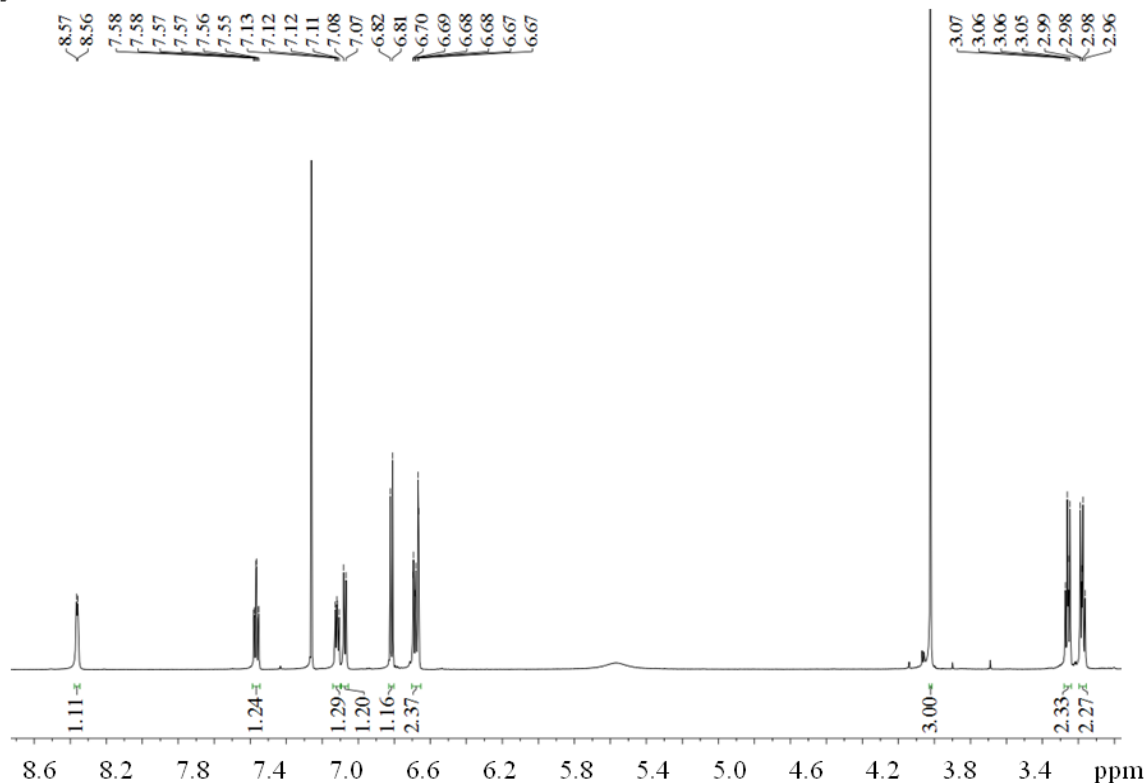


Figure S2 The ¹H NMR spectrum of compound **1**

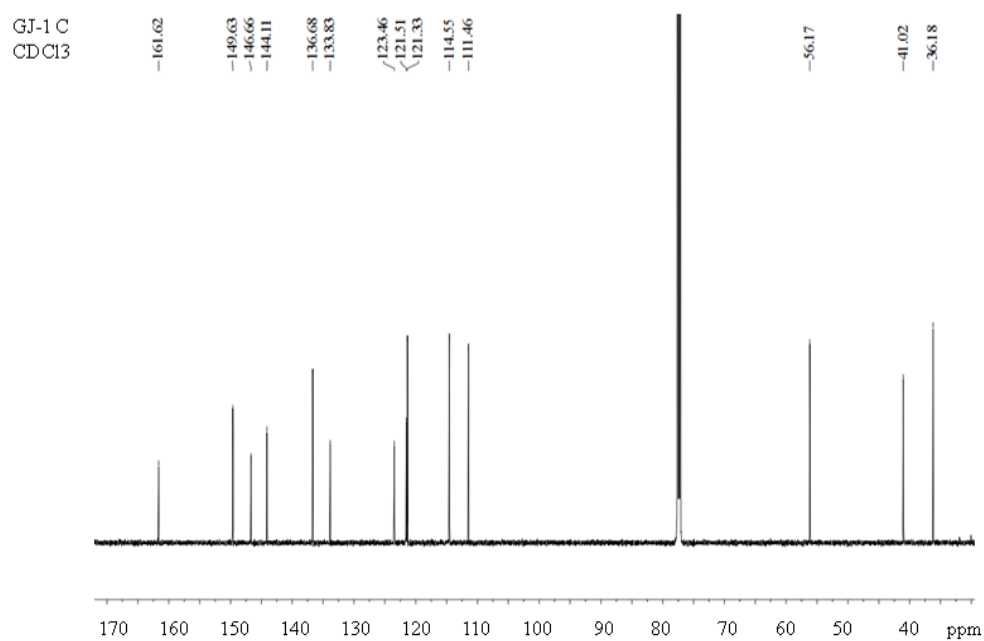


Figure S3 The ¹³C NMR spectrum of compound **1**

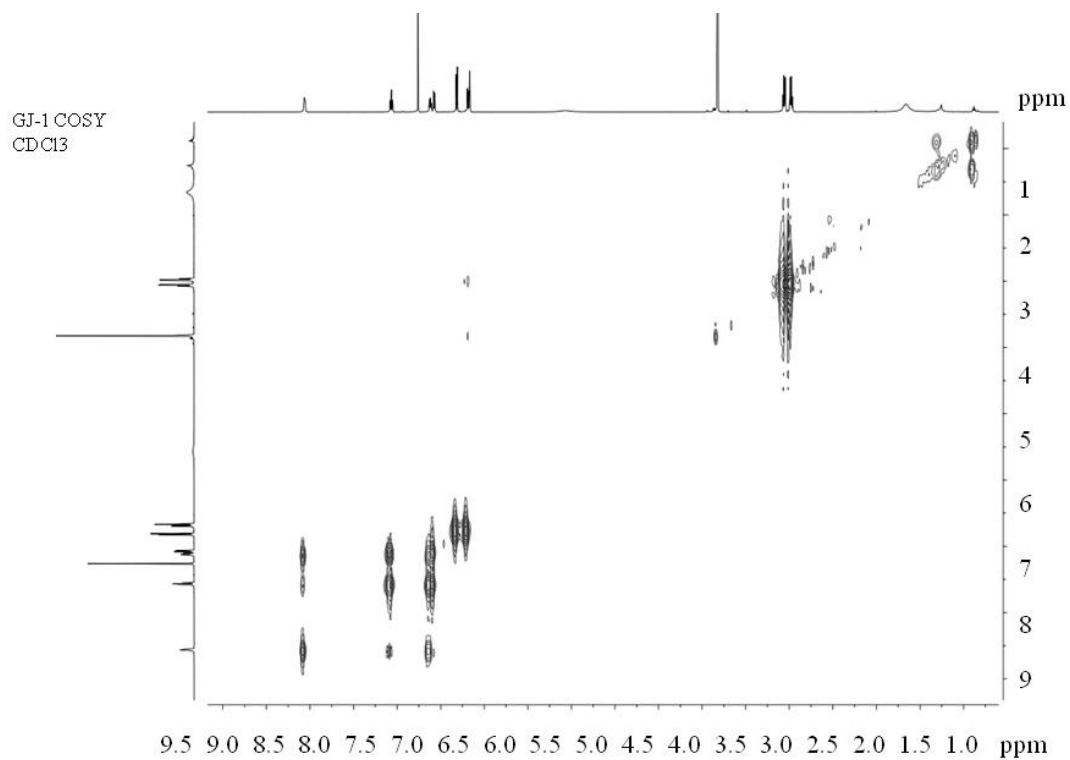


Figure S4 The ¹H-¹H COSY spectrum of compound **1**

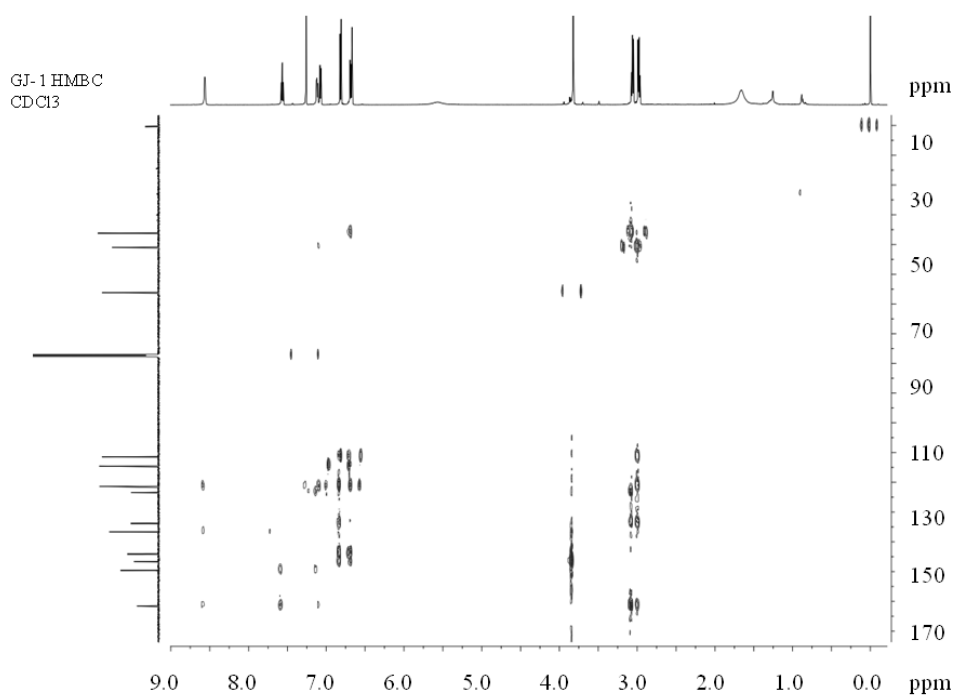


Figure S5 The HMBC spectrum of compound **1**

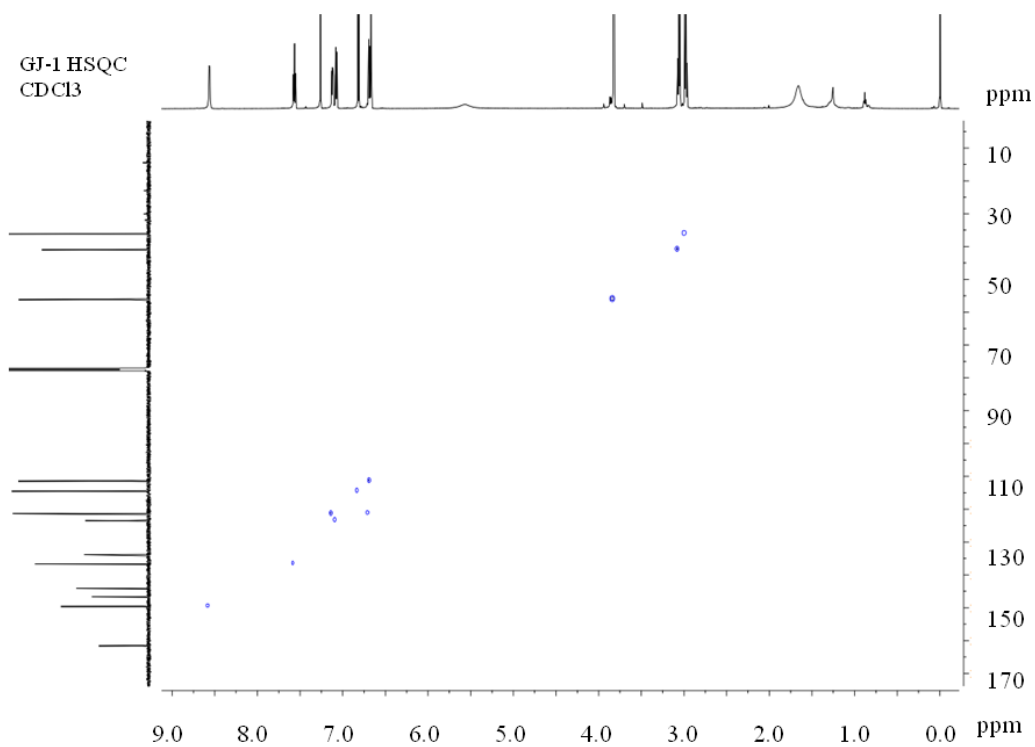


Figure S6 The HSQC spectrum of compound **1**

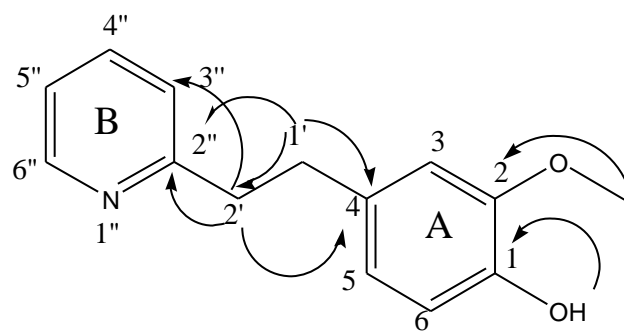


Figure S7 Key HMBC correlations of compound 1