

## Supporting Information

*Rec. Nat. Prod.* X:X (202X) XX-XX

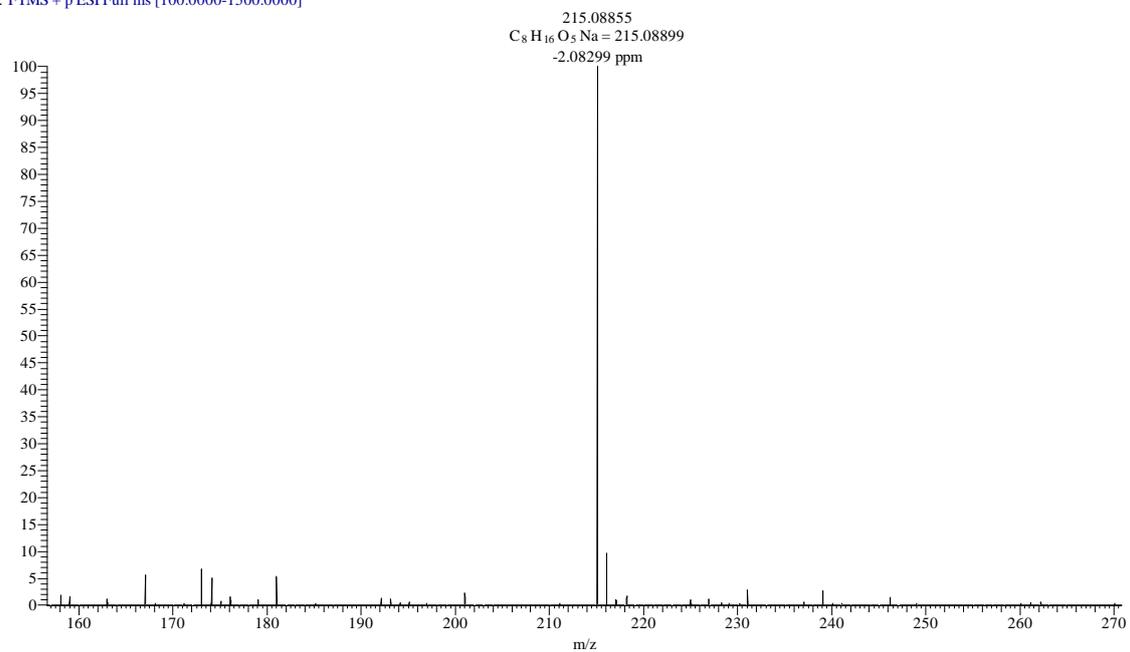
### A New Organic Acid Derivative from the Fruits of *Rosa roxburghii*

Xin Yin, Yongqiang Zhou, Shuang Zhang and Ying Zhou\*

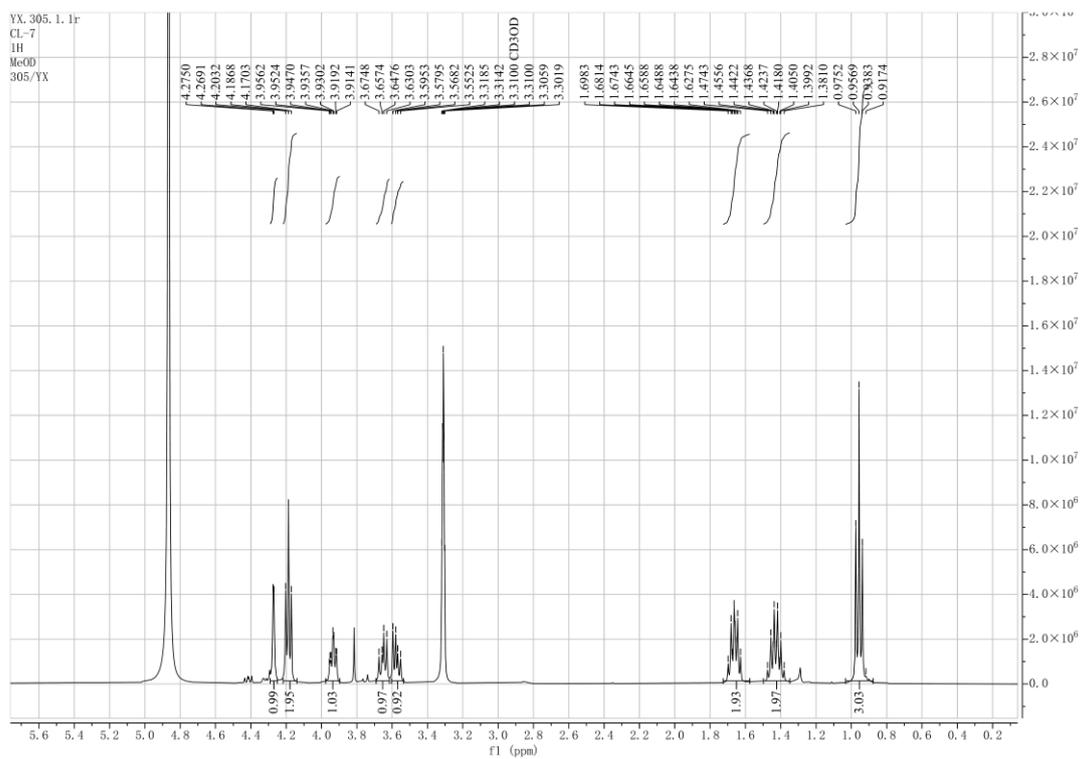
College of Pharmacy, Guizhou University of Traditional Chinese Medicine, Guiyang 550025, P.  
R. China

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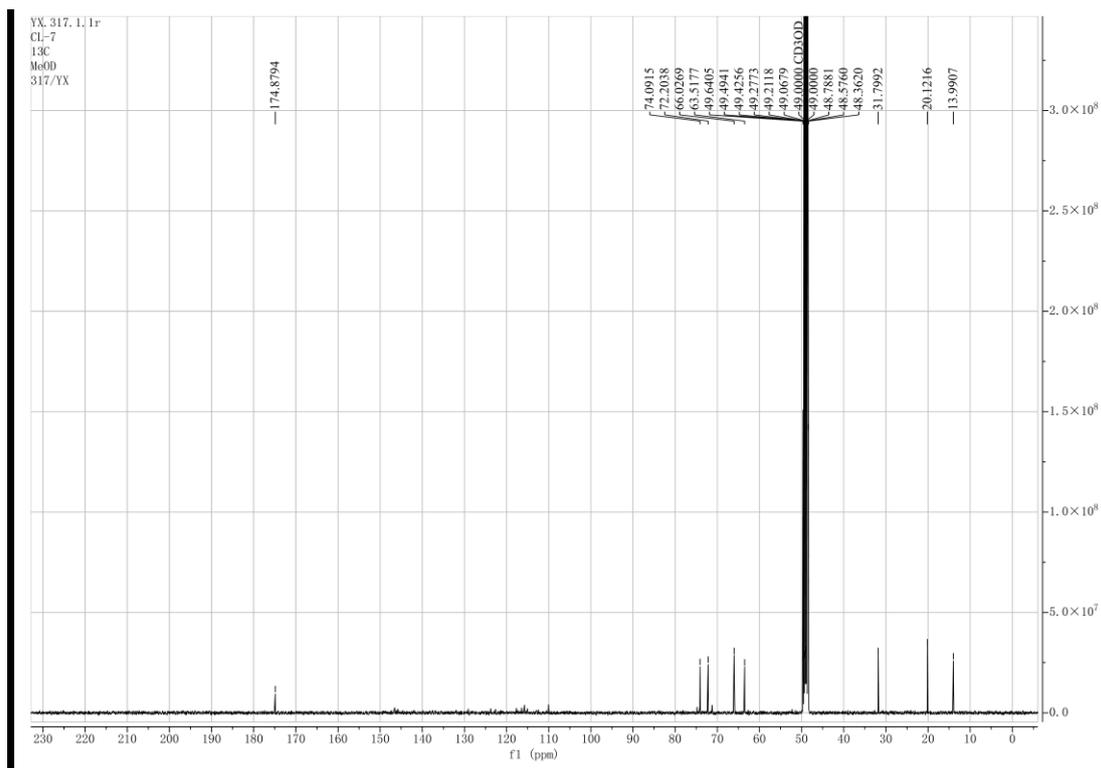
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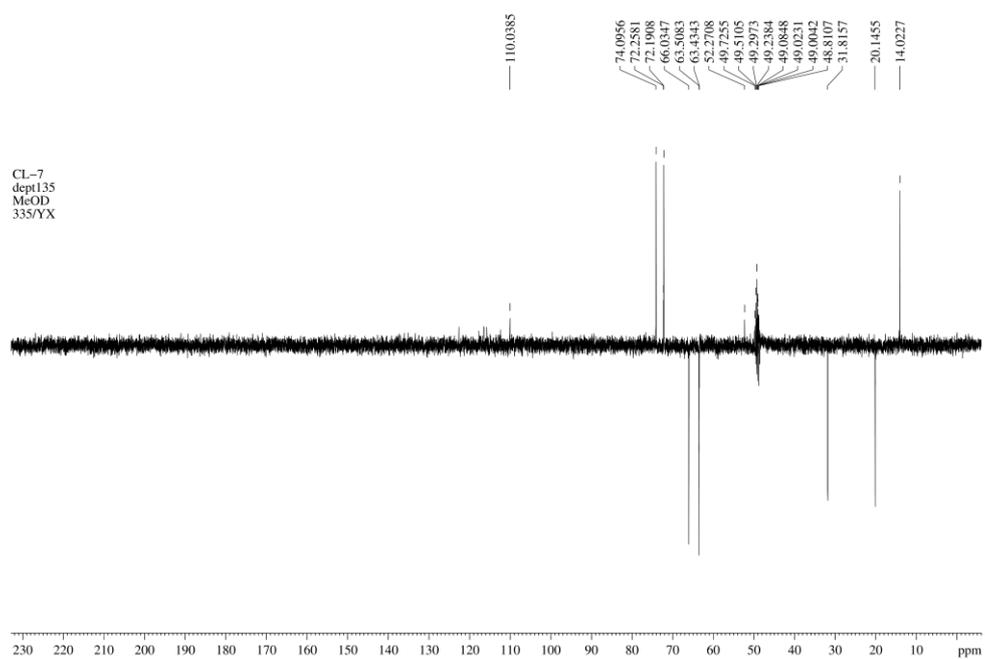
**Figure S1:** HR-ESI-MS spectrum of **1** (Roxbuacidester A)



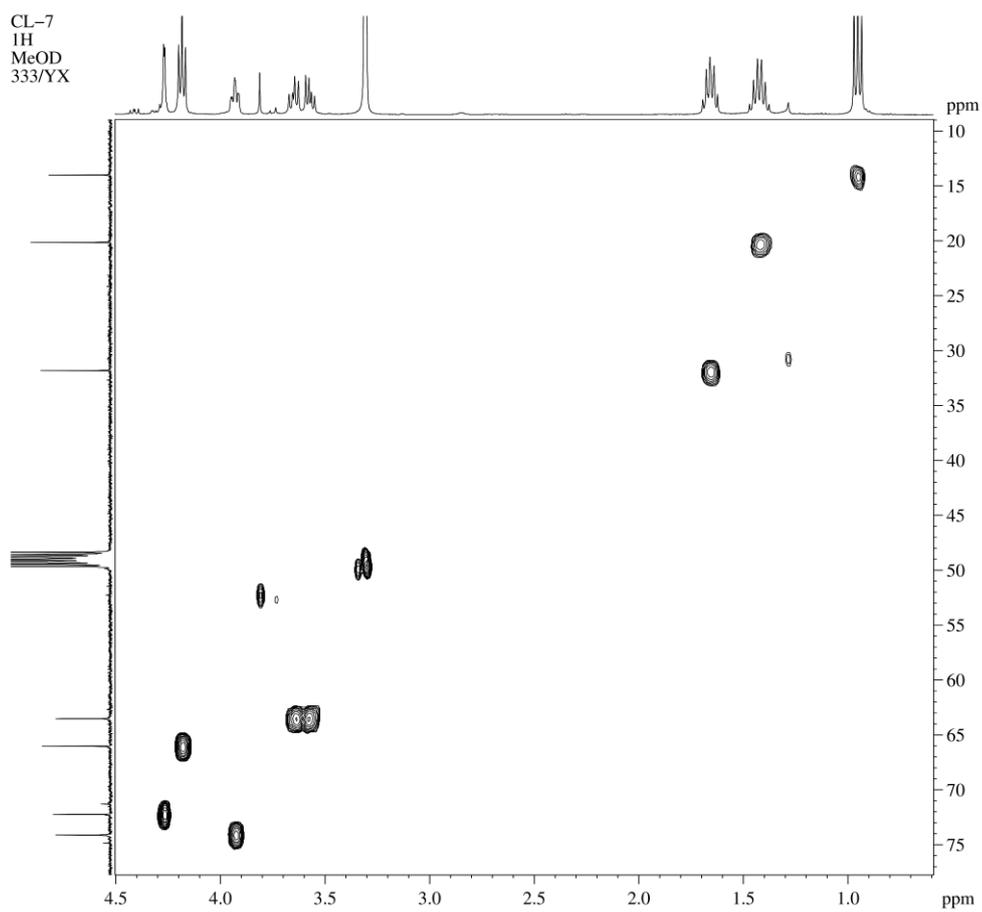
**Figure S2:**  $^1\text{H-NMR}$  (400 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of **1** (Roxbuacidester A)



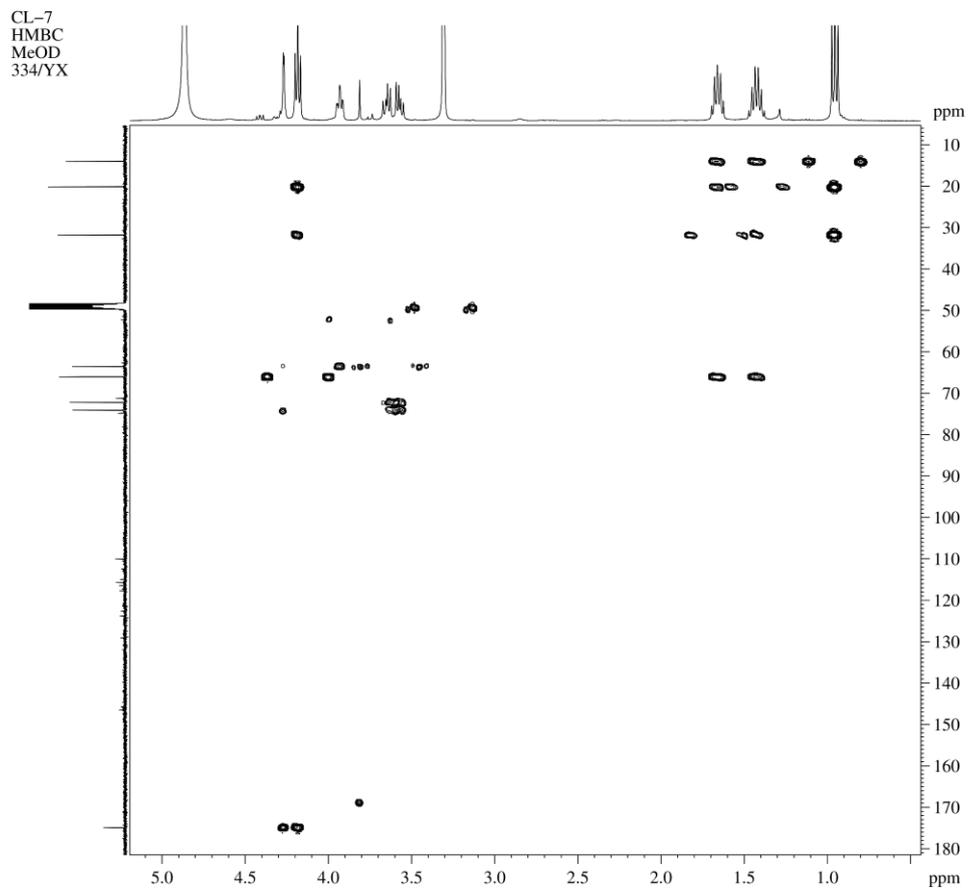
**Figure S3:**  $^{13}\text{C}$ -NMR (100 MHz,  $\text{CD}_3\text{OD}$ ) spectrum of **1** (Roxbuacidester A)



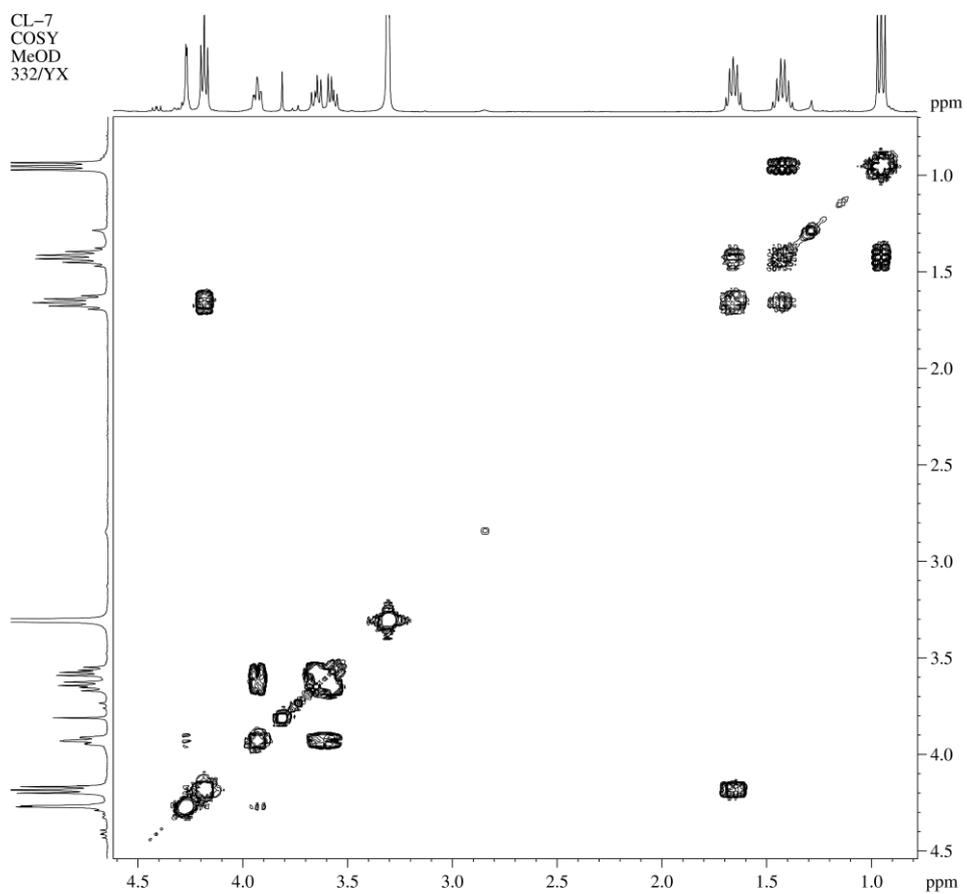
**Figure S4:** DEPT135 (100 MHz, CD<sub>3</sub>OD) spectrum of **1** (Roxbuacidester A)



**Figure S5:** HSQC spectrum of **1** (Roxbuacidester A)



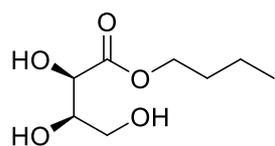
**Figure S6:** HMBC spectrum of **1** (Roxbuacidester A)



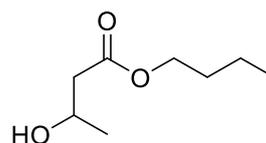
**Figure S7:**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of **1** (Roxbuacidester A)

**Table S1:** <sup>13</sup>C-NMR data of Compounds (2-7) (100 MHz, in CD<sub>3</sub>OD)

<b>Position</b>	<b>Compound 2</b>	<b>Compound 3</b>	<b>Compound 4</b>	<b>Compound 5</b>	<b>Compound 6</b>	<b>Compound 7</b>
<b>1</b>	174.5	123.2	121.5	127.9	127.1	128.1
<b>2</b>	160.3	115.8	110.1	115.1	131.0	133.1
<b>3</b>	125.7	146.1	146.3	146.8	116.8	115.8
<b>4</b>	109.5	151.8	139.8	149.4	161.1	159.5
<b>5</b>	36.9	117.8	146.3	116.5	116.8	115.8
<b>6</b>	23.8	123.9	110.1	122.8	131.0	133.1
<b>7</b>	32.7	170.4	169.1	146.8	146.3	141.7
<b>8</b>	23.5			116.0	116.2	116.8
<b>9</b>	14.3			171.3	168.5	170.5
<b>10</b>	10.8					
<b>11</b>	8.2					
<b>OCH<sub>3</sub></b>			52.4			



Roxbuacidester A (1)



Butyl 3-hydroxybutanoate

**Table S2:**  $^1\text{H}$  and  $^{13}\text{C}$  NMR data for Roxbuacidester A (1) and Butyl 3-hydroxybutanoate<sup>[1]</sup>

Position	Roxbuacidester A (1) <sup>a</sup>		butyl 3-hydroxybutanoate <sup>b</sup>	
	$\delta_{\text{C}}$	$\delta_{\text{H}}$ (J in Hz)	$\delta_{\text{C}}$	$\delta_{\text{H}}$ (J in Hz)
1	174.9 (C)	-	172.8(C)	-
2	72.2 (CH)	4.27(1H, d, 2.1)	42.8(CH <sub>2</sub> )	2.38(1H,dd, 16.6, 8.5) 2.45(1H,dd, 16.6, 3.7)
3	74.1 (CH)	3.93(1H, ddd, 7.0, 6.3, 2.1)	64.2(CH)	4.16(1H, m)
4	63.5(CH <sub>2</sub> )	3.65(1H, dd, 10.8, 7.0) 3.57(1H, dd, 10.8, 6.3)	22.4(CH <sub>3</sub> )	1.19(3H, t, 6.3)
1'	66.0(CH <sub>2</sub> )	4.18(2H, t, 6.6)	64.5(CH <sub>2</sub> )	4.08(2H, t, 6.7)
2'	31.8(CH <sub>2</sub> )	1.67(2H, m)	30.6(CH <sub>2</sub> )	1.58(2H,m)
3'	20.1(CH <sub>2</sub> )	1.42(2H, m)	19.0(CH <sub>2</sub> )	1.35(2H,m)
4'	14.0(CH <sub>3</sub> )	0.95(3H, t, 7.4)	13.6(CH <sub>3</sub> )	0.92(3H, t, 7.0)

<sup>a</sup> Measured in CD<sub>3</sub>OD

<sup>b</sup> Measured in CDCl<sub>3</sub>

[1] D. Krajewski, C. Duque and P. Schrejer (1997). Aliphatic  $\beta$ -D-glucosides from fruits of *Carica pubescens*, *Phytochemistry* **45(8)**, 1627-1631.