# **Supporting Information**

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Figure S2. <sup>13</sup>C-NMR spectrum of 14,15-didehydroruageanin A (1) at 150 MHz in pyridine- $d_5$ .





Figure S3. HSQC spectrum of 14,15-didehydroruageanin A (1) at 600/150 MHz in pyridine- $d_5$ .

Figure S4. HMBC spectrum of 14,15-didehydroruageanin A (1) at 600/150 MHz in pyridine-d<sub>5</sub>.





Figure S5. COSY spectrum of 14,15-didehydroruageanin A (1) at 600 MHz in pyridine- $d_5$ .

Figure S6. ROESY spectrum of 14,15-didehydroruageanin A (1) at 600 MHz in pyridine-d<sub>5</sub>.



### Figure S7. HREI-MS spectrum of 14,15-didehydroruageanin A (1).

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Figure S9. IR spectrum of 14,15-didehydroruageanin A (1).

Figure S10.	Optical	rotation	measurement	of 1	4,15-	didehyd	roruageanin	A (1).
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11 (1/3) Specific O.R.	5.333	20.5	0	Mon Nov 18 18:56:32 2013	0.00045 g/mL MeOH
11 (2/3) Specific O.R.	12.444	20.5	0	Mon Nov 18 18:56:45 2013	0.00045 g/mL MeOH
11 (3/3) Specific O.R.	7.556	20.5	0	Mon Nov 18 18:56:59 2013	0.00045 g/mL MeOH
12 (1/3) Specific O.R.	5.778	20.5	0	Mon Nov 18 18:57:53 2013	0.00045 g/mL MeOH
12 (2/3) Specific O.R.	10.222	20.5	0	Mon Nov 18 18:58:06 2013	0.00045 g/mL MeOH
12 (3/3) Specific O.R.	4.000	20.5	0	Mon Nov 18 18:58:20 2013	0.00045 g/mL MeOH
13 (1/3) Specific O.R.	9.333	20.5	0	Mon Nov 18 18:58:38 2013	0.00045 g/mL MeOH
13 (2/3) Specific O.R.	14.667	20.5	0	Mon Nov 18 18:58:51 2013	0.00045 g/mL MeOH
13 (3/3) Specific O.R.	14.222	20.5	0	Mon Nov 18 18:59:05 2013	0.00045 g/mL MeOH

**Figure S11.** <sup>1</sup>H-NMR spectrum of 3-*O*-methylbutyrylseneganolide A (2) at 600 MHz in pyridine- $d_5$ .



**Figure S12.** <sup>13</sup>C-NMR spectrum of 3-*O*-methylbutyrylseneganolide A (**2**) at 150 MHz in pyridine-*d*<sub>5</sub>.







**Figure S14.** HMBC spectrum of 3-*O*-methylbutyrylseneganolide A (2) at 600/150 MHz in pyridine- $d_5$ .





Figure S15. COSY spectrum of 3-O-methylbutyrylseneganolide A (2) at 600 MHz in pyridine-d<sub>5</sub>.

**Figure S16.** ROESY spectrum of 3-*O*-methylbutyrylseneganolide A (2) at 600 MHz in pyridine- $d_5$ .



## Figure S17. HREI-MS spectrum of 3-*O*-methylbutyrylseneganolide A (2).

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Figure S19. IR spectrum of 3-*O*-methylbutyrylseneganolide A (2).

Sample : KV-43	Frequency Range : 3	399.246 - 3996.32	Measured on : 29/11/2013		
Technique : KBr压片	Resolution : 4	Instrument : Tensor2	7	Sample Scans : 16	
Customer : 131202IR0	Zerofilling : 2	Acquisition : Double \$	Sided,Forv		

Figure S20. Optical rotation measurement of 3-*O*-methylbutyrylseneganolide A (2).

1 (1/3)	Specific O.R.	51.579	15.5	0	Fri Nov 29 13:45:57 20130.00076 g/mL	MeOH
1 (2/3)	Specific O.R.	51.316	15.4	0	Fri Nov 29 13:46:11 20130.00076 g/mL	MeOH
1 (3/3)	Specific O.R.	50.000	15.4	0	Fri Nov 29 13:46:24 20130.00076 g/mL	MeOH