SUPPLEMENTARY MATERIAL

Noralashinol A, a new norlignan from stem barks of *Syringa pinnatifolia*

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One new norlignan, namely noralashinol A (**1**), one known analog (**2**), together with seven known lignans (**3–9**) were isolated from the stem barks of *Syringa pinnatifolia*. Their structures were elucidated extensively by spectroscopic methods, including mass spectrometry and 1D and 2D NMR spectroscopies. Compound **8** significantly inhibited NO production in LPS-induced BV-2 murine microglia cells with its IC₅₀ value of 20.7 μM, compared to a positive control quercetin with its IC₅₀ value of 15.3 μM.

Keywords: *Syringa pinnatifolia*; Noralashinol A; Anti-inflammatory activity

Figure S1. Key HMBC correlation ( ) of **1**

Figure S2. UV spectrum of compound **1**

Figure S3. IR spectrum of compound **1**

Data File: D:\Data\sgz\BPa-8-3.lcd

Elmt	Val.	Min	Max	Elmt	Val.	Min	Max	Elmt	Val.	Min	Max	Use Adduct
H	1	0	150	O	2	0	50	S	2	0	0	H
C	4	0	150	F	1	0	0	Cl	1	0	0	NH4
N	3	0	0	P	3	0	0					HCOO

Error Margin (ppm): 5

HC Ratio: unlimited

Max Isotopes: all

MSn Iso RI (%): 75.00

DBE Range: -2.0 - 1000.0

Apply N Rule: yes

Isotope RI (%): 1.00

MSn Logic Mode: AND

Electron Ions: both

Use MSn Info: yes

Isotope Res: 10000

Max Results: 150

Event#: 1 MS(E+) Ret. Time : 9.255 -> 9.305 - 9.098 <-> 9.575 Scan#: 1225 -> 1233 - 1201 <-> 1275

Measured region for 371.1475 m/z

C21 H22 O6 [M+H]⁺ : Predicted region for 371.1489 m/z

Rank	Score	Formula (M)	Ion	Meas. m/z	Pred. m/z	Df. (mDa)	Df. (ppm)	Iso	DBE
1	0.00	C21 H22 O6	[M+H] ⁺	371.1475	371.1489	-1.4	-3.77	0.00	11.0

Figure S4. HRESIMS spectrum of compound **1**

Figure S5. ¹H NMR spectrum of compound **1** (Measured in CD₃OD)

Figure S6. ¹H NMR spectrum of compound **1** (Measured in CD₃OD)

Figure S7. ¹³C NMR spectrum of compound **1** (Measured in CD₃OD)

Figure S8. ¹³C NMR spectrum of compound **1** (Measured in CD₃OD)

Figure S9. gHSQC spectrum of compound **1** (Measured in CD₃OD)

Figure S10. gHMBC spectrum of compound **1** (Measured in CD₃OD)