

Supplementary Materials: Bioactivities of a New Pyrrolidine Alkaloid from the Root Barks of *Orixa japonica*

Xin Chao Liu, Daowan Lai, Qi Zhi Liu, Ligang Zhou, Qiyong Liu and Zhi Long Liu

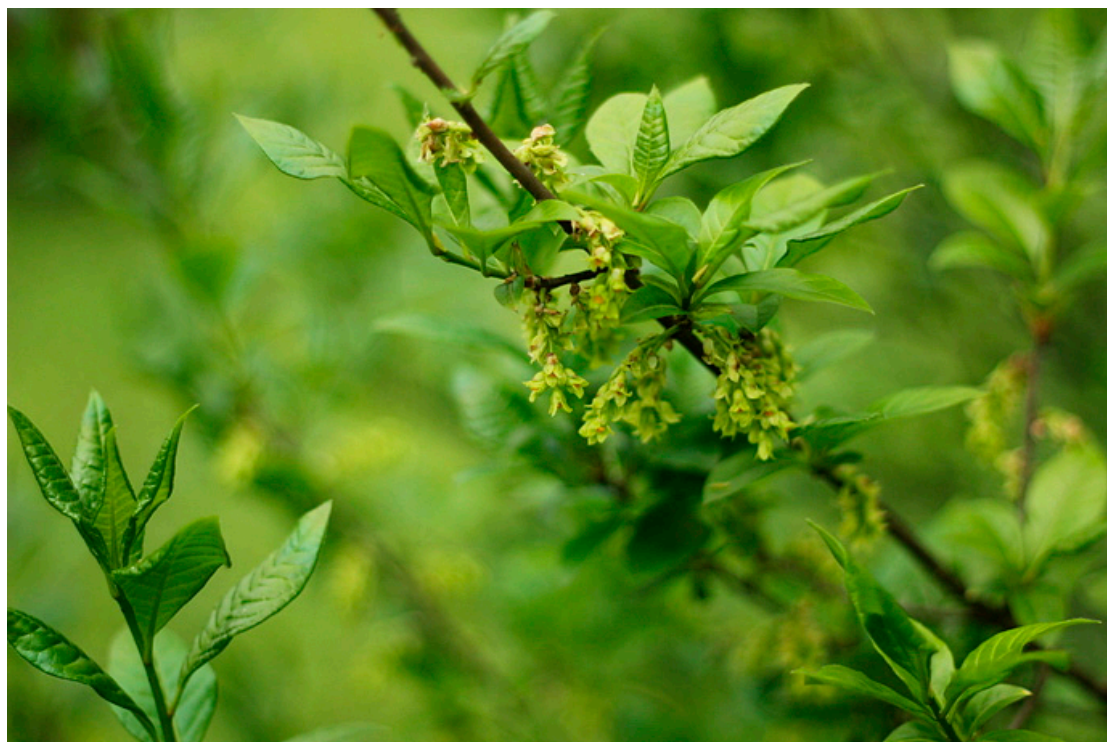


Figure S1. Picture of *Orixa japonica*.

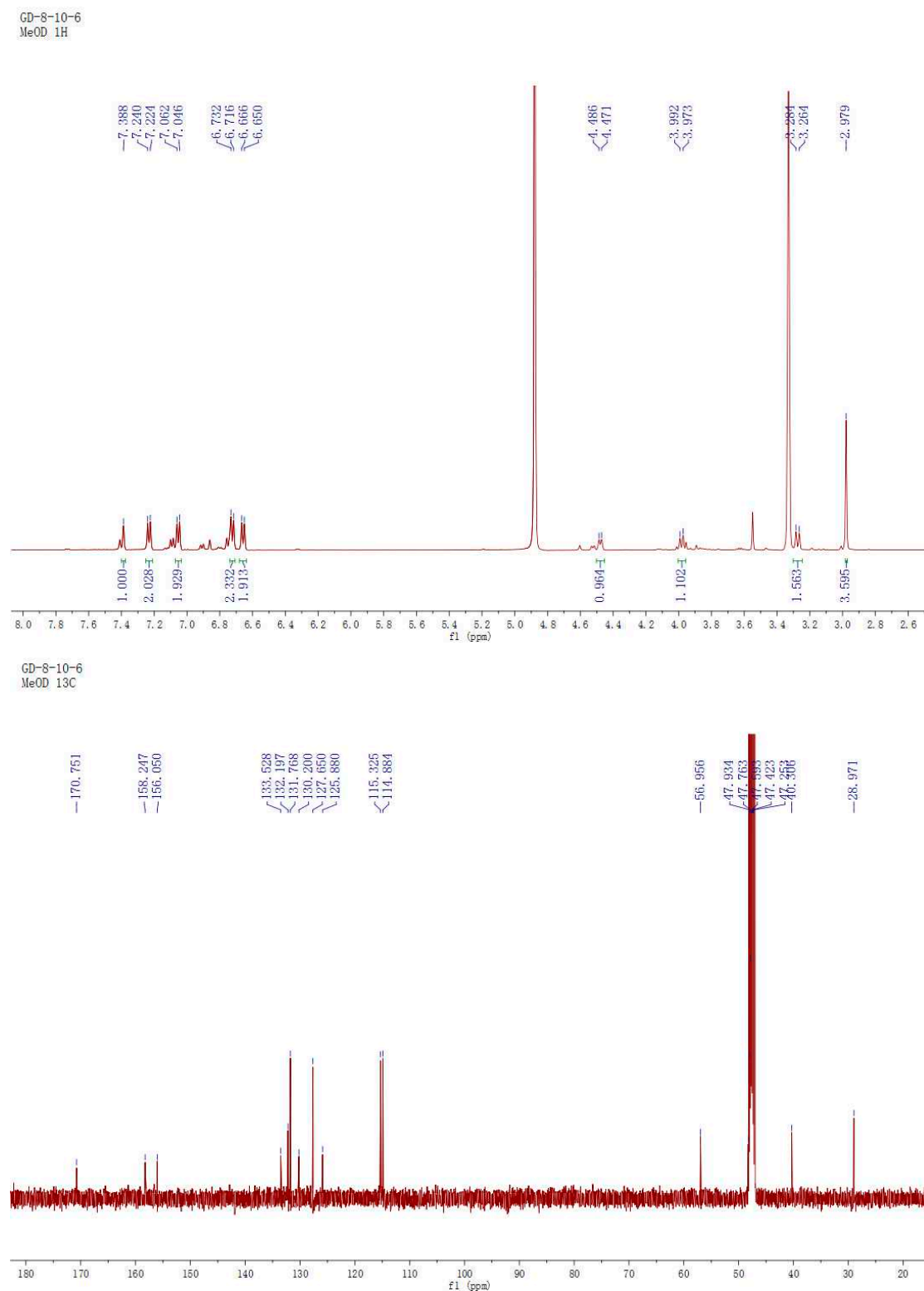


Figure S2. ^1H - and ^{13}C -NMR spectra of (Z)-3-(4-hydroxybenzylidene)-4-(4-hydroxyphenyl)-1-methylpyrrolidin-2-one.

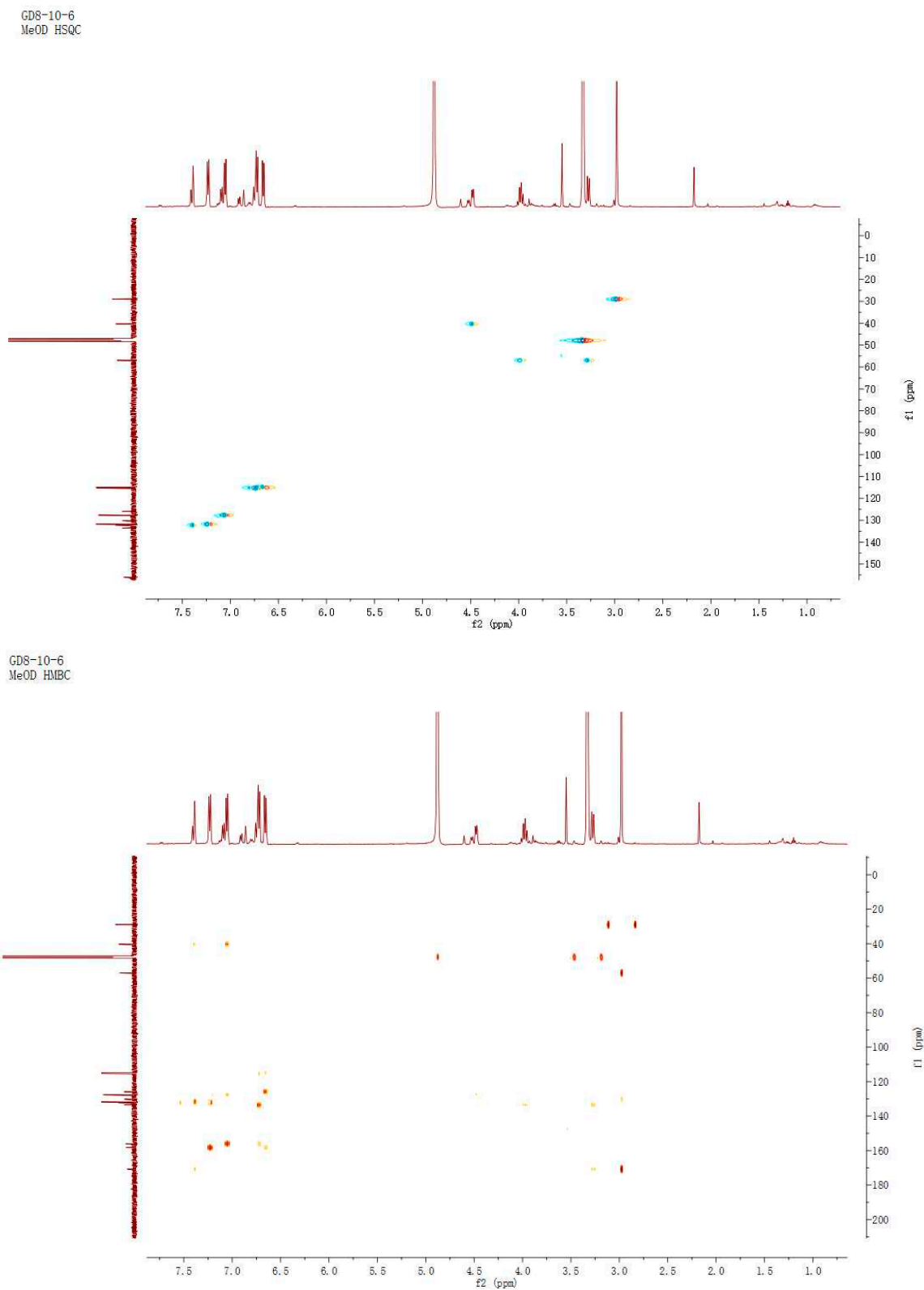
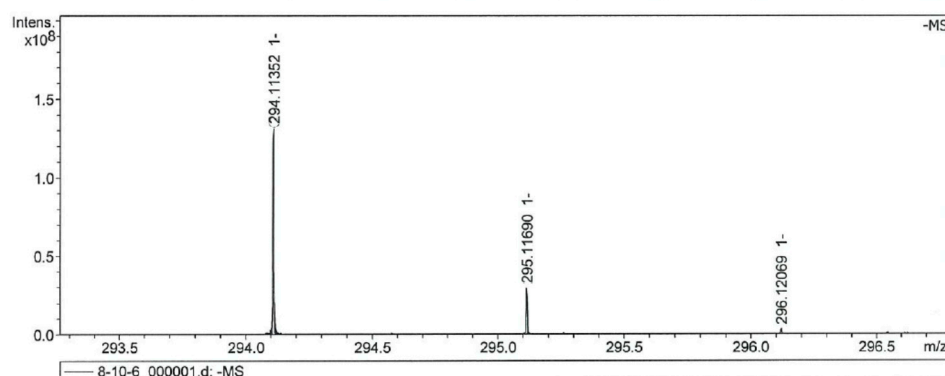
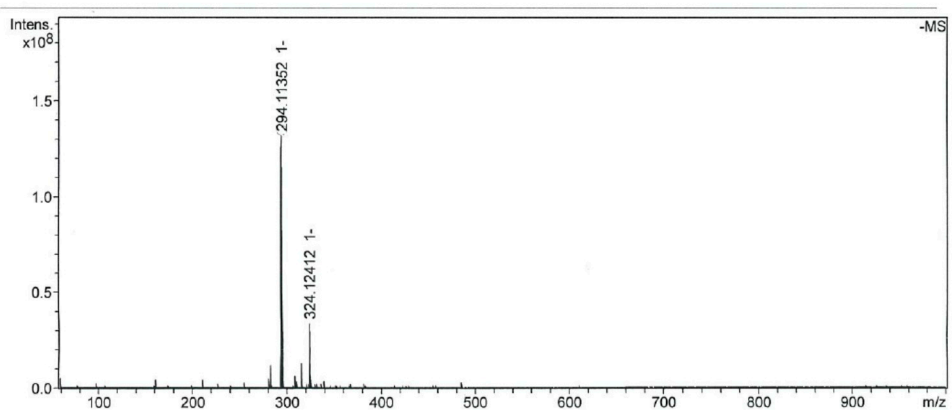


Figure S3. HSQC- and HMBC-NMR spectra of (Z)-3-(4-hydroxybenzylidene)-4-(4-hydroxyphenyl)-1-methylpyrrolidin-2-one.

ESI(N),8-10-6,20151225

Analysis Info Acquisition Date 12/25/2015 10:22:23 AM
 Analysis Name D:\Data\ESI\2015\2015-12\1225\8-10-6_000001.d
 Sample Name 8-10-6 Instrument solariX

Acquisition Parameter
 Acquisition Mode Single MS Acquired Scans 10 Calibration Date Tue Nov 3 11:14:33 2015
 Polarity Negative No. of Cell Fills 1 Data Acquisition Size 1048576
 Broadband Low Mass 57.7 m/z Source Accumulation 0.001 sec Data Processing Size 2097152
 Broadband High Mass 1000.0 m/z Ion Accumulation Time 0.100 sec Apodization Sine-Bell Multiplication



Meas. m/z	#	Ion Formula	Score	m/z	err [ppm]	Mean err [ppm]	mSigma	rdb	e ⁻ Conf	N-Rule
294.113522	1	C ₁₈ H ₁₆ NO ₃	100.00	294.113567	0.2	0.0	13.6	11.5	even	ok

Figure S4. HRESIMS spectra of (Z)-3-(4-hydroxybenzylidene)-4-(4-hydroxyphenyl)-1-methylpyrrolidin-2-one.