SUPPLEMENTARY MATERIAL

Structure elucidation and NMR assignments of an alkaloid from *Ixeris chinensis* Nakai

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A new alkaloid, 2-amino-1,6-dihydro-pyridine-5-carbaldehyde (**1**), together with four known compounds, namely 4-hydroxybenzaldehyde (**2**), 4-hydroxyacetophenone (**3**), acetophenone-4-O- β -D-glucoside (**4**), 2-hydroxyl-6-methoxyacetophenone-4-O- β -D-glucoside (**5**), were isolated from the CHCl₃ extract from *Ixeris chinensis* Nakai. The structures of **1** was elucidated by spectroscopic methods, including UV, IR, HR-ESI-MS and extensive 1D and 2D NMR techniques.

Keywords: *Ixeris chinensis* Nakai; spectroscopic methods;
2-amino-1,6-dihydro-pyridine-5-carbaldehyde

Figure S1. Selected HMBC correlations for **1**.

Original spectra of new compound **1**

Figure S2. ¹H-NMR spectrum of compound **1**

Figure S3. ^{13}C -NMR spectrum of compound **1**

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

Figure S5. HSQC spectrum of compound 1

Figure S6. DEPT spectrum of compound 1

Figure S7. COSY spectrum of compound **1**

Figure S8. MS spectrum of compound **1**

Table S1. ¹H and ¹³C-NMR data (500MHz for ¹H, 125MHz for ¹³C) for compound **1**

Compound 1		
	δ (H) (J in Hz)	δ (C)
1	5.59 (1H, t, 5.5)	—
2	—	162.9
3	7.51 (1H, d, 3.5)	124.9
4	6.61 (1H, d, 3.5)	110.2
5	—	152.2
6	4.51 (2H, d, 5.5)	56.4
7	9.55 (1H, s)	178.5