

Supporting Information

Tripfordines A–C, Sesquiterpene Pyridine Alkaloids from *Tripterygium wilfordii*, and Structure Anti-HIV Activity Relationships of *Tripterygium* Alkaloids[#]

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Figures 1–3. Major HMBC correlations of **1–3**, respectively

Figure 4. Major NOESY correlations of **1**

Table 2. ¹³C and HMBC NMR (CDCl₃) spectroscopic data of **1–3**

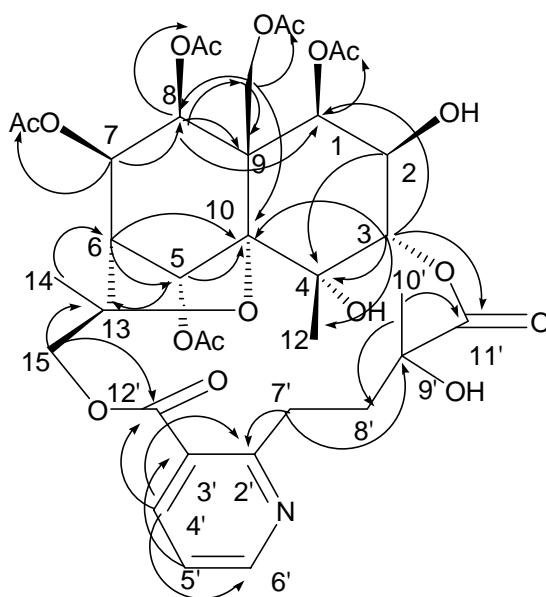


Figure 1. Major HMBC Correlations for **1**

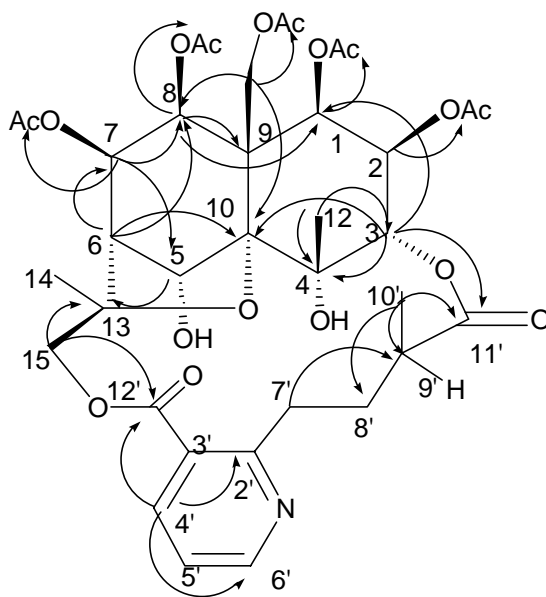


Figure 2. Major HMBC Correlations for **2**

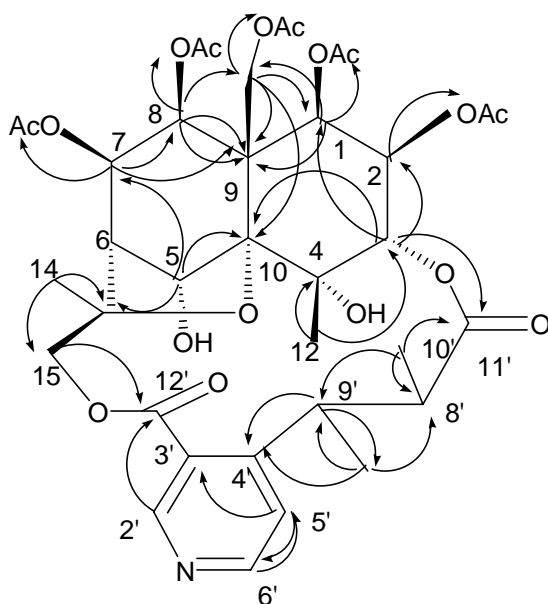


Figure 3. Major HMBC Correlations for **3**

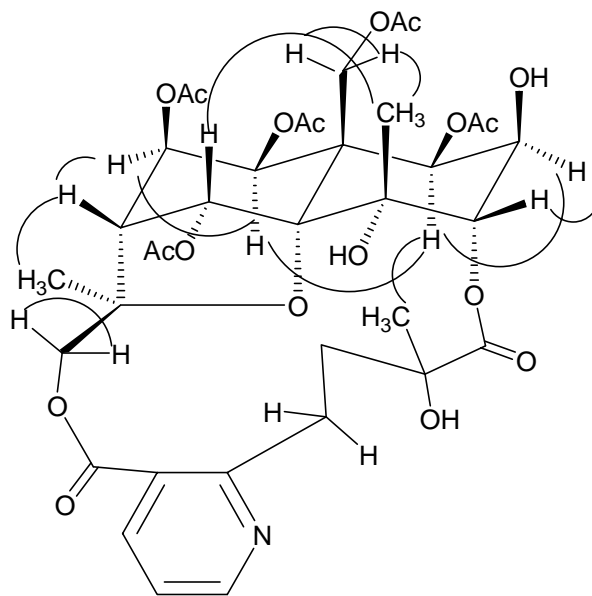


Figure 4. Major NOESY Correlations for **1**

Table 2. ^{13}C and HMBC NMR (CDCl_3) Spectroscopic Data of **1–3**

Position	1		2		3	
	$^{13}\text{C}^a$	HMBC	$^{13}\text{C}^a$	HMBC	$^{13}\text{C}^a$	HMBC
1	75.2	H-3, 8	73.6	H-3, 8	73.3	H-3, 11
2	69.0	-	69.2		68.5	H-3
3	78.9	-	75.1	H-12	75.1	H-12
4	69.8	H-3, 4	71.8	H-12	72.5	H-12
5	73.7	H-6	74.1	H-7	74.3	
6	51.0	H-14	50.8		51.9	
7	69.9	-	69.3	H-6	69.1	H-5
8	71.0	H-7, 11	71.2	H-6, 7, 11	70.8	H-7, 11
9	52.3	H-8, 11	52.4	H-11	51.1	H-1, 7, 8, 11
10	94.6	H-3, 5, 6, 11	92.7	H-3, 11	92.9	H-3, 5, 11
11a	60.5	H-9	60.7	H-9	60.4	H-1, 8
11b		-	-		-	
12	22.7	H-3	23.4		23.1	
13	84.6	H-5, 15	85.0	H-5, 15	84.7	H-5, 14
14	17.8	-	18.1		18.6	
15a	70.0	-	71.2		71.0	H-14
15b		-	-		-	
2'	164.7	H-4', 7'	165.1	H-4'	151.4	
3'	125.7	H-5'	123.8		124.6	H-5'
4'	137.7	-	138.7		156.7	H-7', 9'
5'	120.6	-	121.3		121.5	H-6'
6'	152.2	H-4'	153.6	H-4'	153.1	H-5'
7'a	31.3	-	33.0		33.0	H-9, 10'
7'b	-	-	-		-	
8'a	38.6	H-10'	33.4	H-10'	46.0	H-9', 10'
8'b	-	-	-		9.8	H-7'
9'	77.6	H-7'	38.1	H-7', 10'	11.2	-
10'	27.6		19.0		173.4	H-3, 10
11'	173.0	H-9'	175.4	H-3, 10'	168.4	H-15, 2'
12'	168.0	H-15, 4'	167.1	H-15	20.4	
OA-1	20.8	-	20.4	H-1	169.3	H-1
	169.8	H-1	169.6		21.0	H-2
OAc-2	-	-	21.0	H-2	168.9	
			168.7		21.4	
OAc-5	21.6	H-5	-		170.0	H-7
	169.8				20.4	
OAc-7	21.0	-	21.4	H-7	168.6	H-8
	169.9	H-7	170.1		21.0	
OAc-8	20.6	-	20.6	H-8	169.8	H-11
	169.2	H-8	169.0			
OAc-11	21.4	-	21.0			
	170.2	H-11	169.7	H-11		

^aAssignments made using HSQC and HMBC techniques.