SUPPLEMENTARY MATERIAL

Secondary metabolites of *Xylaria* sp., an endophytic fungus from *Taxus mairei*.

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Abstract:

One new metabolite

3,7-dimethyl-9-(-2,2,5,5-tetramethyl-1,3-dioxolan-4-yl)nona-1,6-dien-3-ol, together with nine known compounds, were isolated from the strain *Xylaria* sp., an endophytic fungus of *Taxus mairei*. Their structures were deduced from 1D and 2D NMR data. In vitro cytotoxicity and antibacteria activity of these compounds were evaluated. Some of them exhibited substantial activity.

Keywords: metabolites; *Xylaria* sp; *Taxus mairei*

Table S1. NMR data of **5** in C₃D₆O (600MHz for ¹H; 125MHz for ¹³C).

No.	¹ H	¹³ C	HMBC	¹ H- ¹ HCOSY
1		105.4s		
2		79.1s		
3	3.55(1H, dd,J=6.0,1.2)	82.1d	C-15,C-16,C-5	H-4
4	1.40(2H,m)	27.1t	C-5,C-3,C-6	H-3,H-5a,H-5b
5	1.91(1H,m) 2.05(1H,m)	36.1t	C-14,C-4, C-6,C-7	H-4
6		133.5s		
7	5.10(1H,m)	124.6d	C-14,C-8,C-5,C-9	H-14,H-8a, H-8b,H-11
8	1.91(1H,m) 1.97(1H,m)	21.94t	C-9,C-6,C-7	H-7
9	1.40(2H,m)	41.9t	C-10,C-11	
10		71.4s		
11	5.80(1H, dd,J=10.8,6.6)	145.5d	C-10	H-12,H-7
12	4.85(1H, dd,J=1.4,9.6) 5.10(1H,m)	109.9t	C-10 C-10,C-5	H-11
13	1.11(3H,s)	26.9q	C-9,C-10,C-11	
14	1.50(3H,s)	14.6q	C-5,C-6,C-7	H-7
15	0.9(3H,s)	21.91q	C-16,C-2,C-3	
16	1.03(3H,s)	24.9q	C-15, C-2,C-3	
17	1.13(3H,s)	25.7q	C-18,C-1	
18	1.18(3H,s)	27.6q	C-17,C-1	

1D NMR data of **5** in C₃D₆O (600MHz for ¹H; 125MHz for ¹³C).

2D NMR data of **5** in C₃D₆O (600MHz for ¹H; 125MHz for ¹³C).

HSQC

HMBC

COSY

IR spectrum of **5**