SUPPLEMENTARY MATERIAL

**A new dimeric anthraquinone from endophytic *Talaromyces* sp.
YE3016**

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A new unsymmetrical dimeric anthraquinone, 3-demethyl-3-(2-hydroxypropyl)-skyrin (**1**) was isolated from the solid-state fermentation extract of an endophytic fungal strain *Talaromyces* sp. YE 3016, together with five known compounds, skyrin (**2**), oxyskyrin (**3**), emodin (**4**), 1,3,6-trihydroxy-8-methyl-anthraquinone (**5**), and ergosterol (**6**). The structure of the new compound was elucidated on the basis of spectroscopic analysis. Compounds **1–3** exhibited moderate cytotoxic activities against MCF-7 cell line.

Keywords: *Talaromyces* sp.; endophytic fungi; dimeric anthraquinone; skyrin

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Table S1. ^1H and ^{13}C NMR Data of compound **1** (500 and 125 MHz, respectively, CD_3OD , δ in ppm, J in Hz).

position	^{13}C	^1H
1	163.0	-
1'	162.8	-
2	125.1	7.10 (1H, s)
2'	124.4	7.04 (1H, s)
3	150.5	-
3'	149.3	-
4	121.7	7.38 (1H, s)
4'	121.4	7.31 (1H, s)
4a, 4'a	133.2	-
5	128.0	-
5'	127.4	-
6, 6'	166.3	-
7	108.2	6.69 (1H, s)
7'	108.2	6.68 (1H, s)
8, 8'	165.4	-
8a, 8'a	110.9	-
9, 9'	191.9	-
9a, 9'a	115.1	-
10, 10'	184.0	-
10a, 10'a	135.0	-
11	46.4	2.72 (2H, d, 4.8)
11'	21.9	2.34 (3H, s)
12	68.8	3.96 (1H, m)
13	23.2	1.16 (3H, d, 6.1)

Figure S1. The ^1H NMR spectrum of compound **1**

Figure S2. The ^{13}C NMR spectrum of compound **1**

Figure S3. The HMQC spectrum of compound **1**

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

Figure S5. The ^1H - ^1H COSY spectrum of compound **1**