
SUPPLEMENTARY MATERIAL

One new xanthenone from the marine-derived fungus *Aspergillus versicolor* MF160003

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Abstract: A new xanthenone derivative, 3-hydroxy pinselin (**1**), together with five known analogues (**2-6**) were isolated from the marine-derived fungus *Aspergillus versicolor* MF160003. Their structures were identified by extensive 1D- and 2D-NMR, and high-resolution mass spectrometry data. Compounds **5** and **6** showed moderate bioactivities against BCG with MIC values of 40 and 20 µg/mL, respectively.

Keywords: Marine-derived fungus; *Aspergillus versicolor*; xanthenone; anti-BCG

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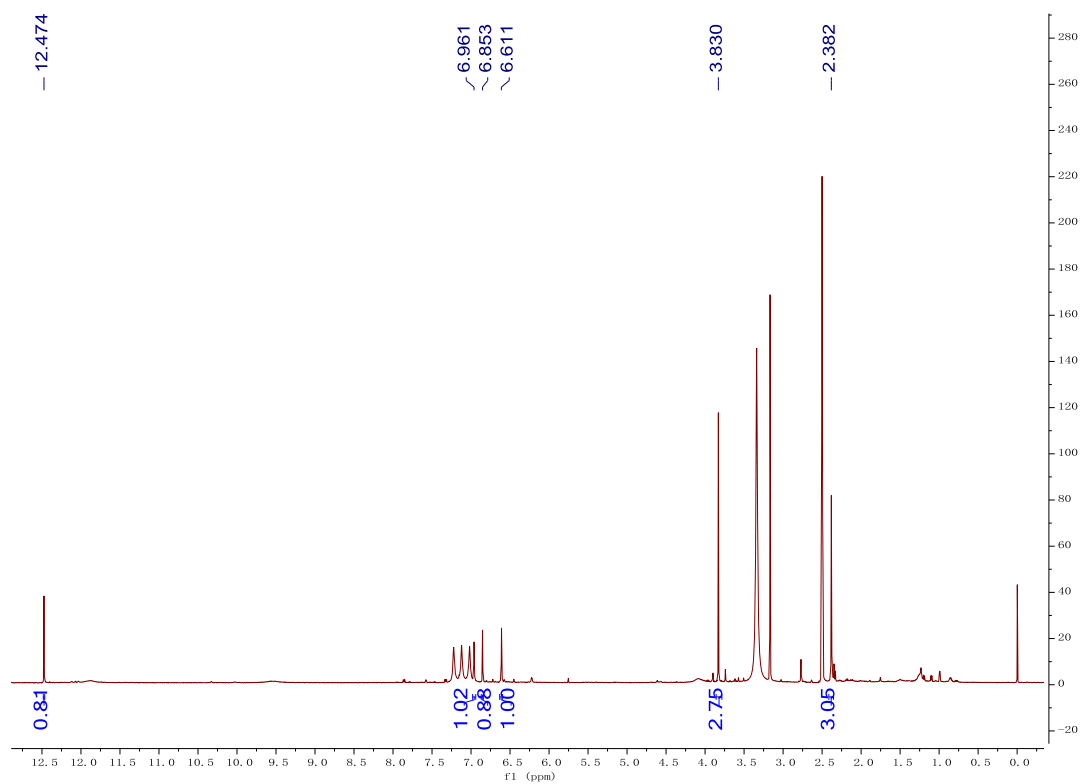


Figure S1. ¹H NMR spectrum (500 MHz, DMSO) of **1**

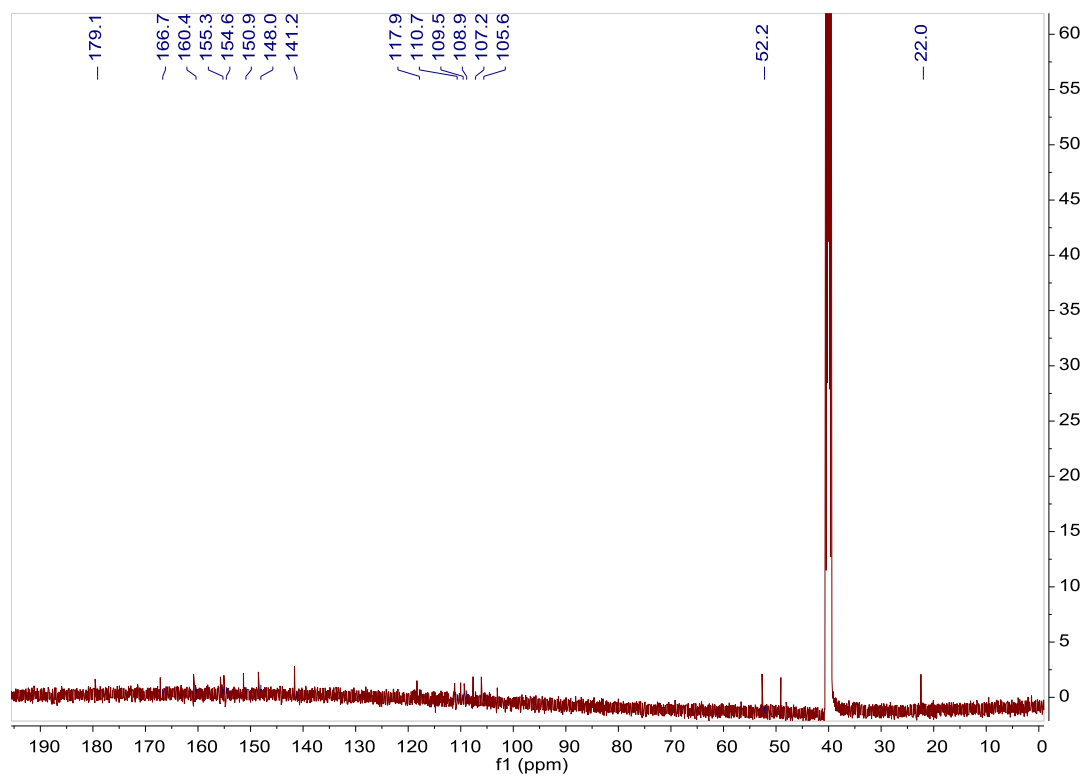


Figure S2. ¹³C NMR spectrum (500 MHz, DMSO) of **1**

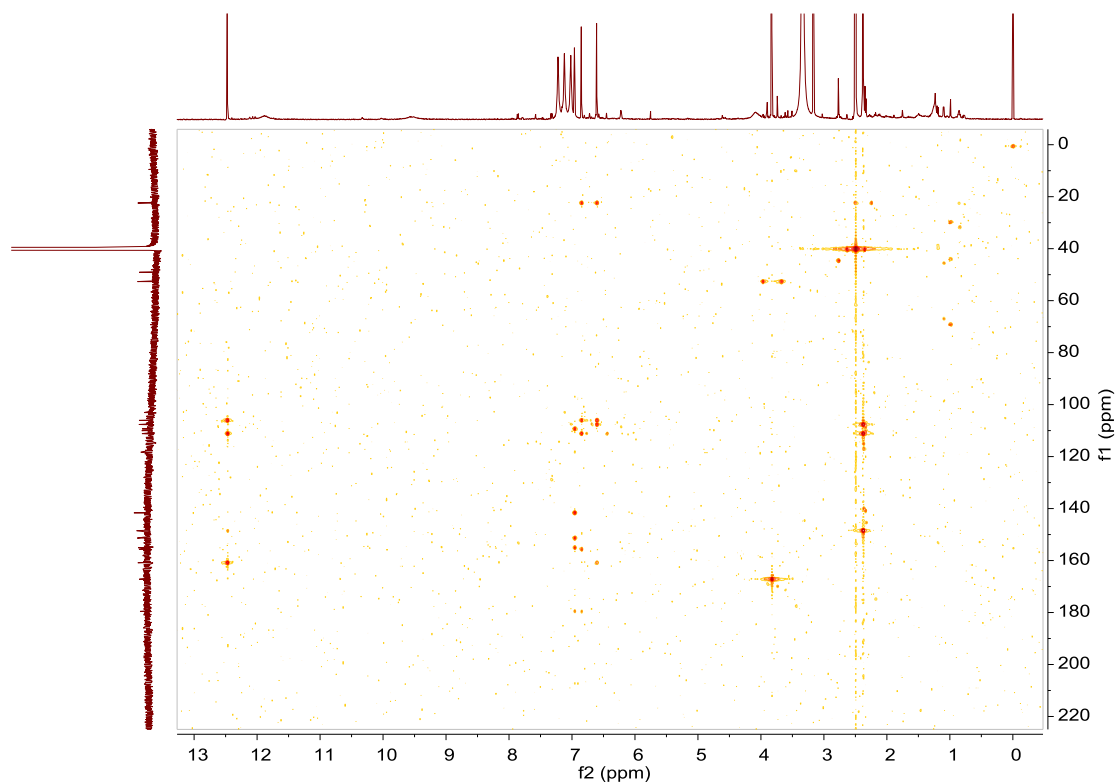


Figure S3. HMBC spectrum (500 MHz, DMSO) of **1**

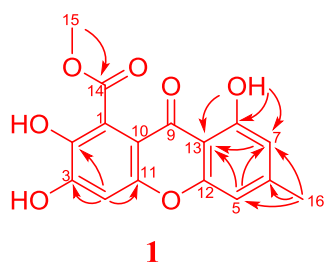


Figure S4. Key HMBC correlation (H-C) of **1**

Table S1 1D NMR a date of compounds **1** (500 MHz, DMSO-*d*₆)

Pos.	1	
	δ_{C} , mult	δ_{H} , (<i>J</i> in Hz)
1	117.8	
2	154.6	
3	141.1	
4	109.5	6.96, s
5	107.1	6.85, s
6	150.8	
7	110.7	6.61, s
8	160.3	
9	179.1	
10	108.8	
11	148.0	
12	155.2	
13	105.6	
14	166.7	
15	52.2	3.83, s
16	21.9	2.38, s
8-OH		12.47, s

NMR spectra were taken on a Bruker 500 MHz NMR system in DMSO-*d*₆ with the residual solvent peaks as an internal standard (δ_{C} 39.52, δ_{H} 2.50 ppm.)

Table S2 Antibacterial activities of compounds **1–6**

Organism (strain)	1	2	3	4	5	6	Control
Methicillin-resistant <i>S. aureus</i> ^d	>100	>100	>100	>100	>100	>100	1.25 ^a
<i>S. aureus</i> (ATCC 6538)	>100	>100	>100	>100	>100	>100	0.625 ^a
<i>B. subtilis</i> (ATCC 6633)	>100	>100	>100	>100	>100	>100	0.313 ^a
<i>P. aeruginosa</i> (ATCC 15692)	>100	>100	>100	>100	>100	>100	2.5 ^b
BCG (M.bovis Pasteur 1173P2)	>100	>100	>100	>100	40	20	0.02 ^c

^a Vancomycin

^b Ciprofloxacin

^c Isoniazid

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