Supporting Information

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A New Polyketide Derivative from the *Nicotiana tabacum* Symbiotic Fungus *Aspergillus japonicus* TE-739D

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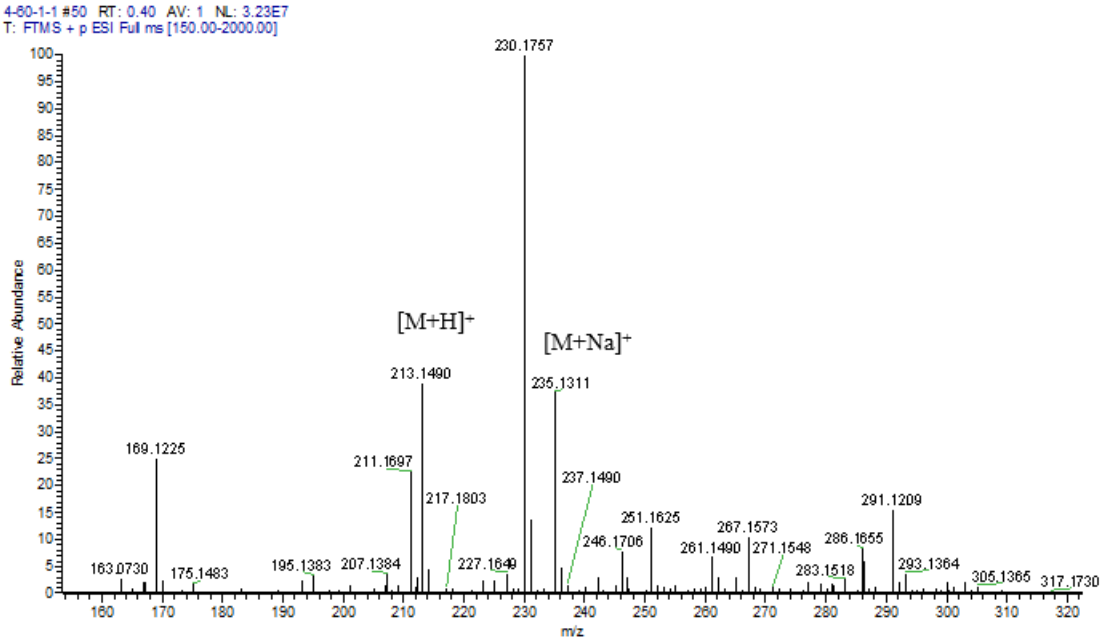


Figure S1: HRESIMS spectrum of **1**

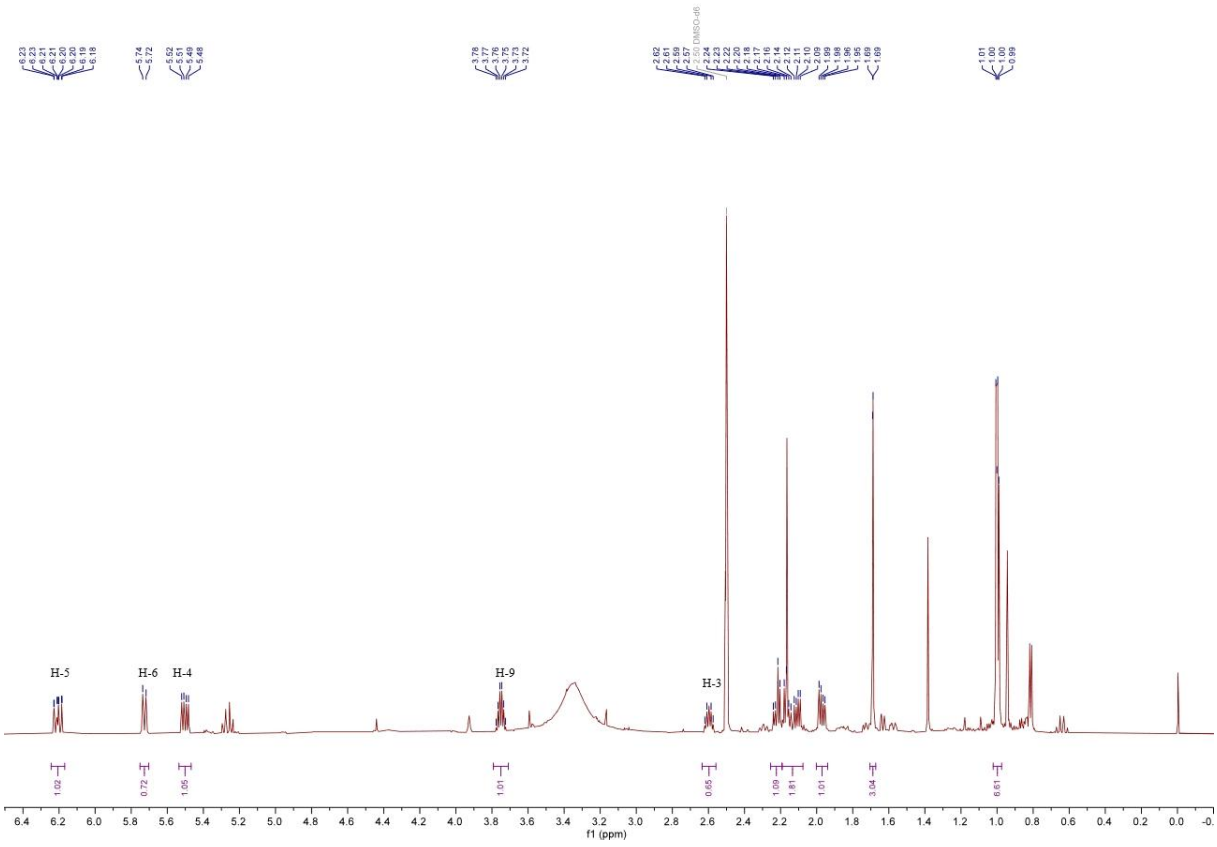


Figure S2: ^{1}H NMR (500 MHz, DMSO-d_6) spectrum of **1**

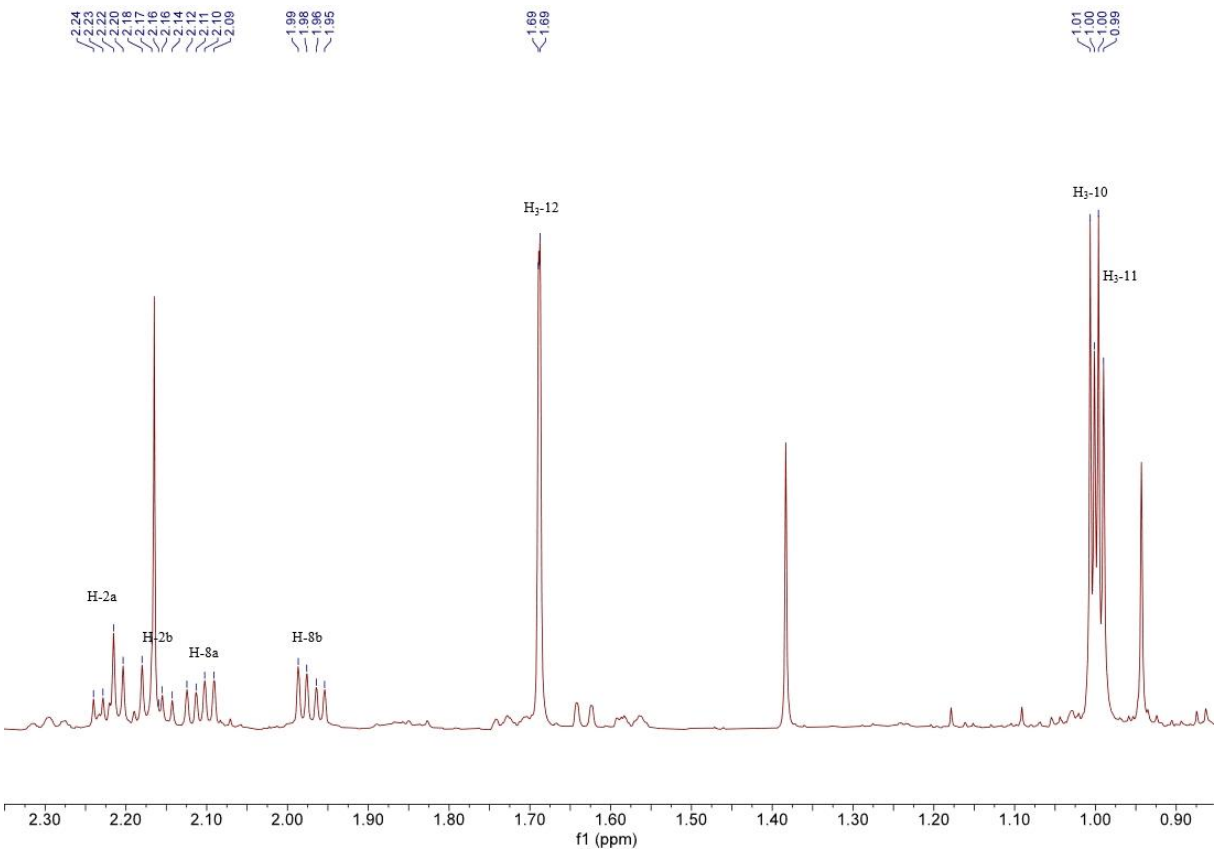


Figure S3: Enlarged ^{1}H NMR (600 MHz, DMSO-d_6) spectrum of **1**

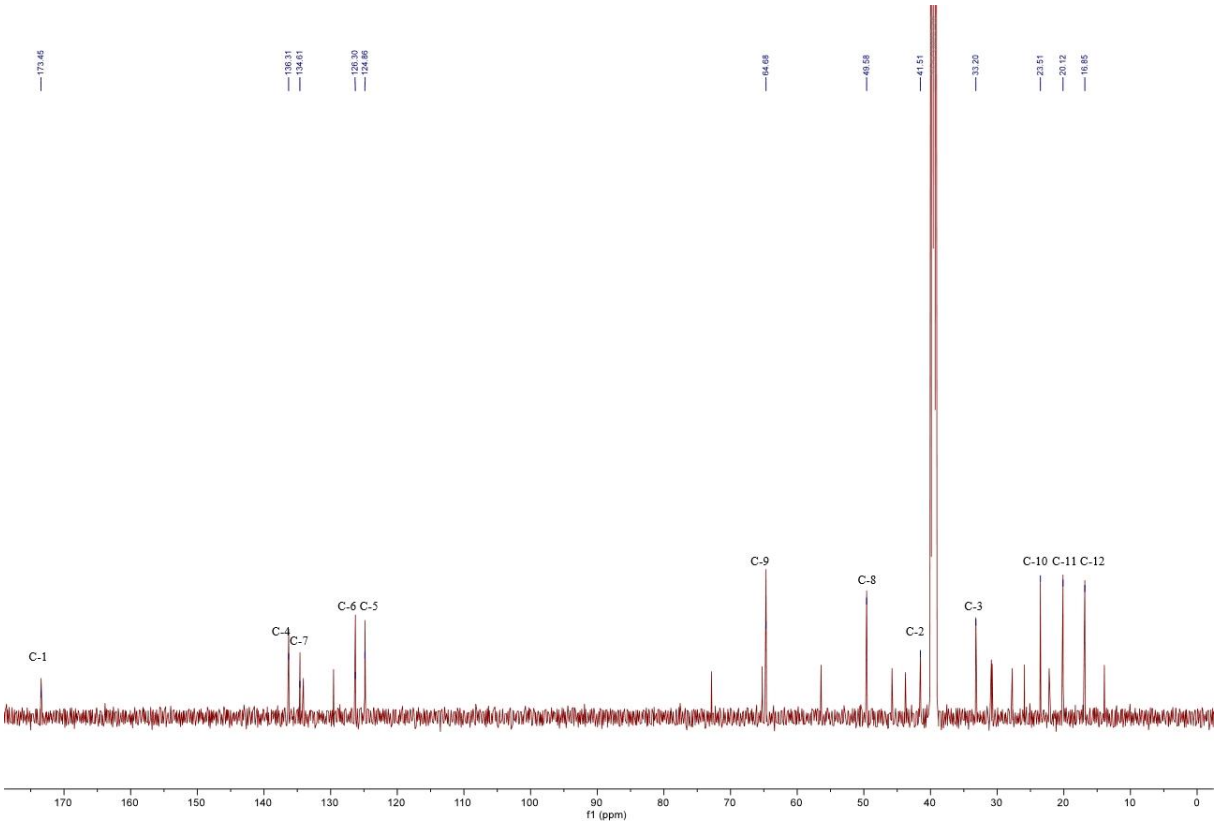


Figure S4: ^{13}C NMR (150 MHz, DMSO-d_6) spectra of **1**

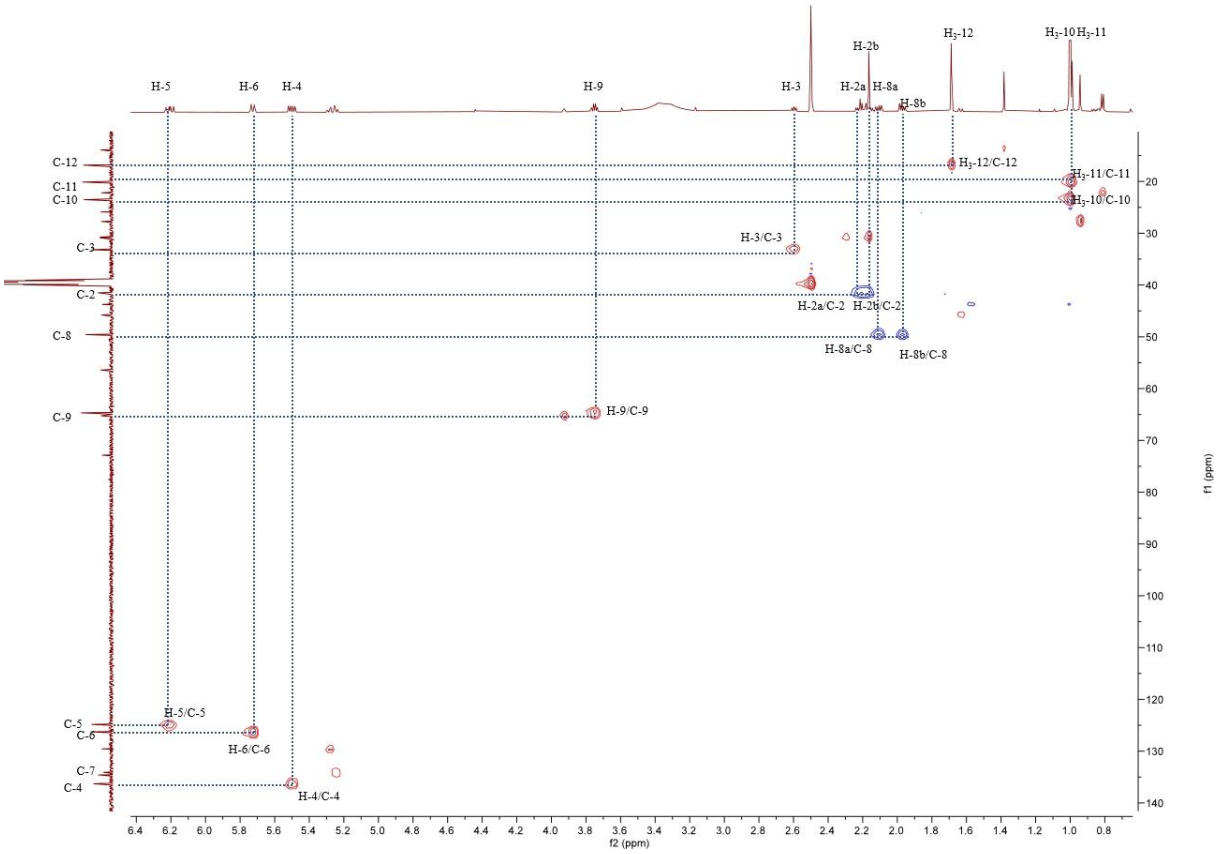


Figure S5: HSQC spectrum of **1**

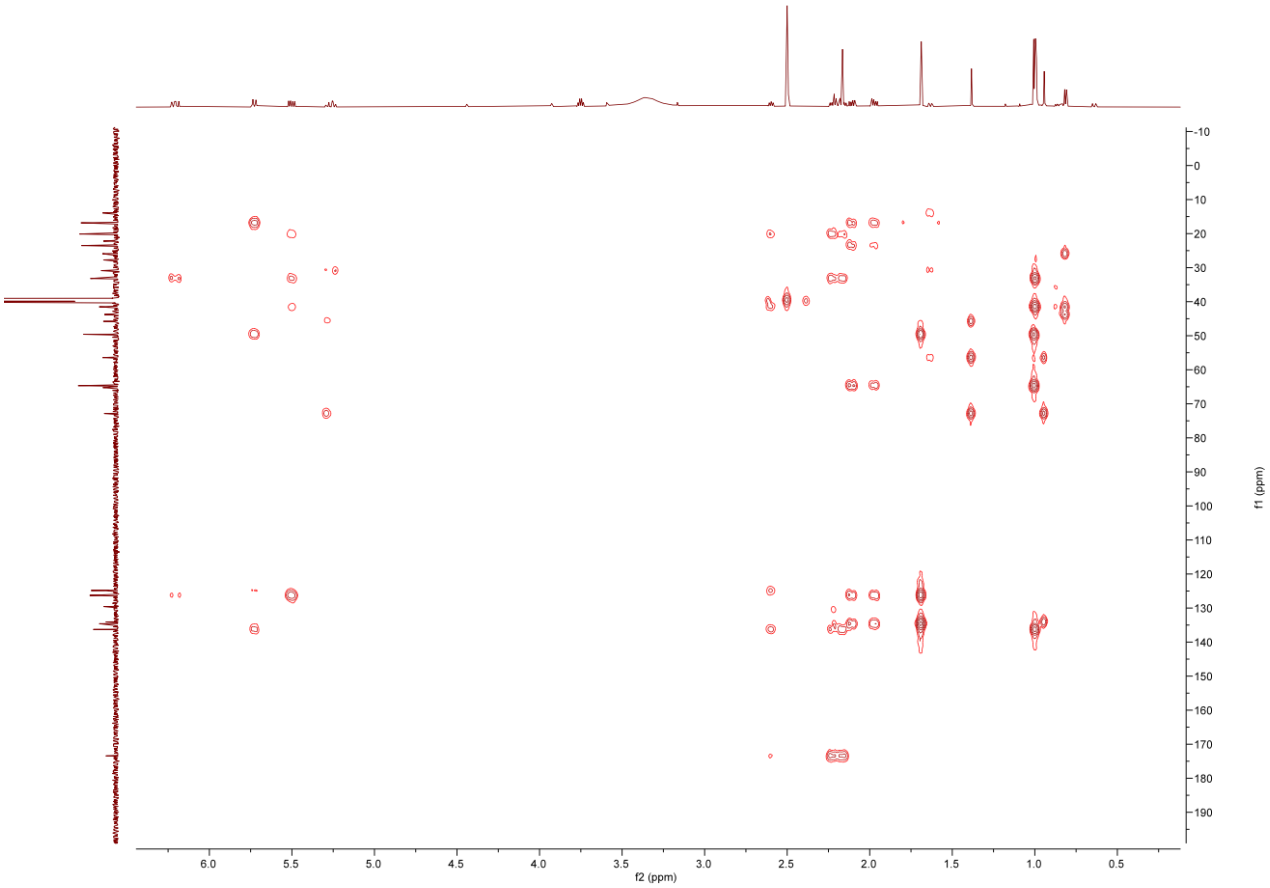


Figure S6: HMBC spectrum of **1**

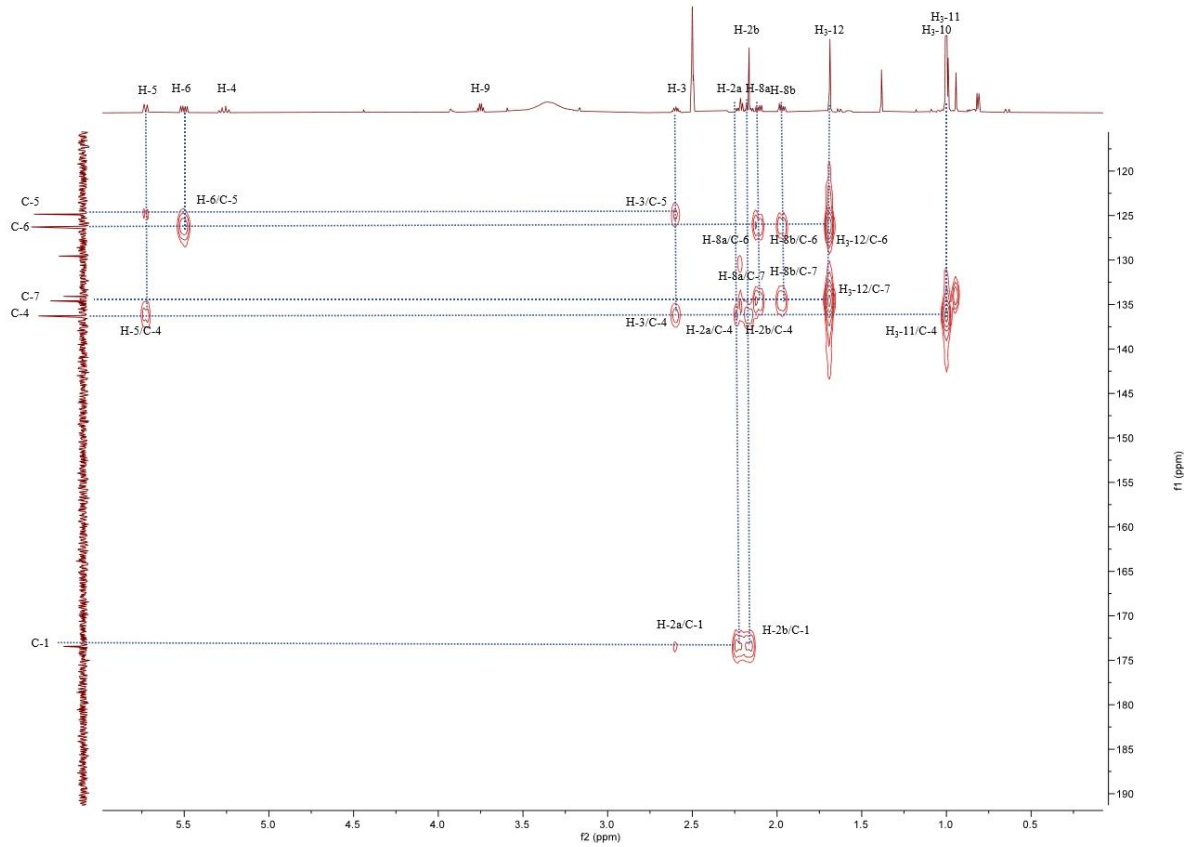


Figure S7: Enlarged HMBC spectrum of **1**

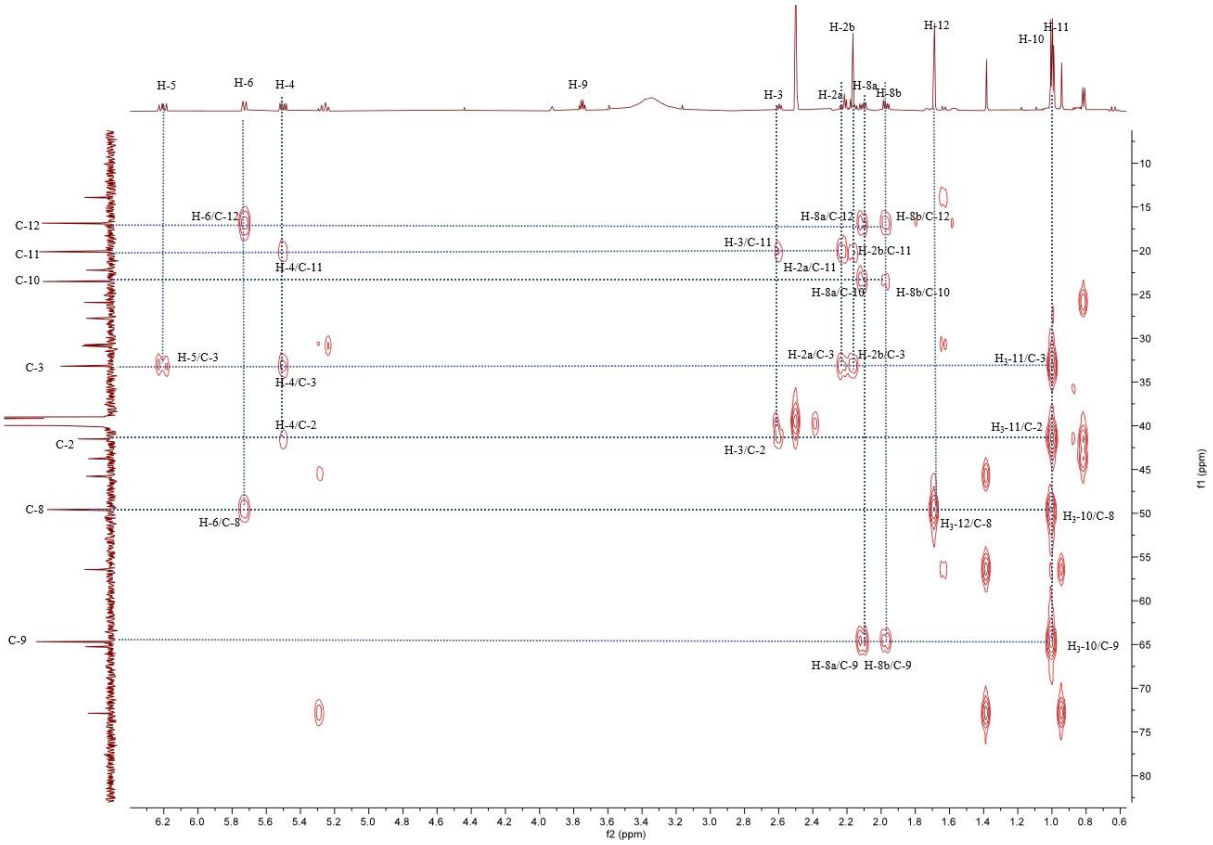


Figure S8: Enlarged HMBC spectrum of **1**

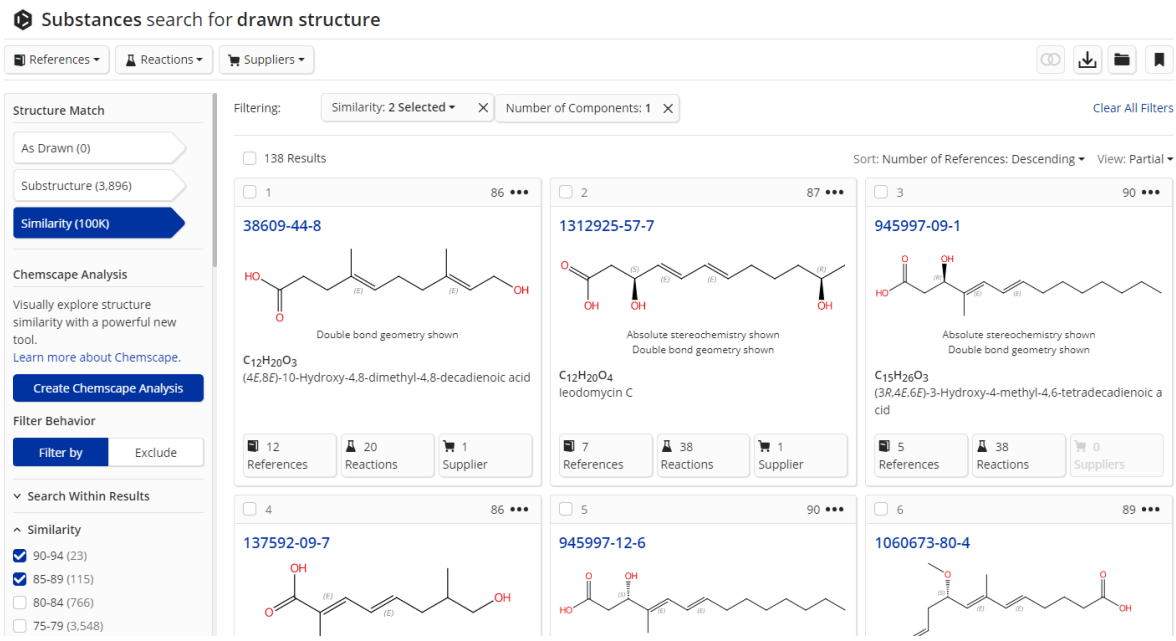
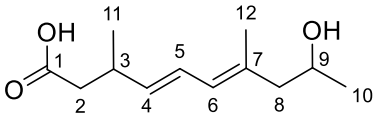
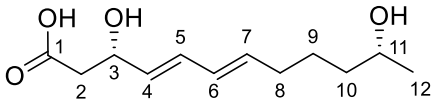


Figure S9: Scifinder search results of **1**

Table S1: Structural and NMR comparative analysis of **1** and ieodomycin C [1]



1



Leodimycin C

	Compound **1**[a]		Ieodomycin C[b]	
No	δ_H (*J* in Hz)	δ_C, type	δ_H (*J* in Hz)	δ_C, type
1		173.5 C		175.6 C
2	2.21 dd (15.0, 7.0) 2.17 m	41.5 CH_2	2.45 d (6.0)	43.7 CH_2
3	2.60 m	33.2 CH	4.50 m	70.2 CH
4	5.50 dd (15.2, 7.3)	136.3 CH	5.60 dd (15.3, 6.5)	133.6 CH
5	6.21 ddd (15.2, 11.1, 1.2)	124.9 CH	6.22 dd (15.3, 10.5)	132.1 CH
6	5.73 d (11.1)	126.3 CH	6.03 dd (15.3, 10.5)	131.0 CH
7		134.6 C	5.70 dt (15.3, 7.0)	136.1 CH
8	2.11 dd (13.3, 6.9) 1.97 dd (13.3, 6.2)	49.6 CH_2	2.10 m	33.7 CH_2
9	3.75 p (6.3)	64.7 CH	1.50 m 1.38 m	26.7 CH_2
10	1.00 d (6.8)	23.5 CH_3	1.42 m	39.8 CH_2
11	0.96 d (6.1)	20.1 CH_3	3.70 m	68.5 CH
12	1.69 s	16.9 CH_3	1.13 d (6.0)	23.6 CH_3

[a] In DMSO-d_6; [b] In CD_3OD

Reference:

1. M. A. M. Mondol, J. H. Kim, M. A. Lee, F. S. Tareq, H. S. Lee, Y. J. Lee and H. J. Shin (2011). Ieodomycins A-D, Antimicrobial Fatty Acids from a Marine *Bacillus* sp. *J. Nat. Prod.* **74**, 1606−1612.