Supporting Information

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A New Ergosterol-Type Steroid Isolated from the *Nicotiana* tabacum-Derived Endophytic Fungus Aspergillus sp. TE-65L

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Conf(%) Formula Mass Calc. Mass mDa ${\tt PPM}$ DBE i-FIT Norm 443.3145 443.3161 7.5 C28 H43 O4 -1.6 -3.6 547.2 n/a n/a

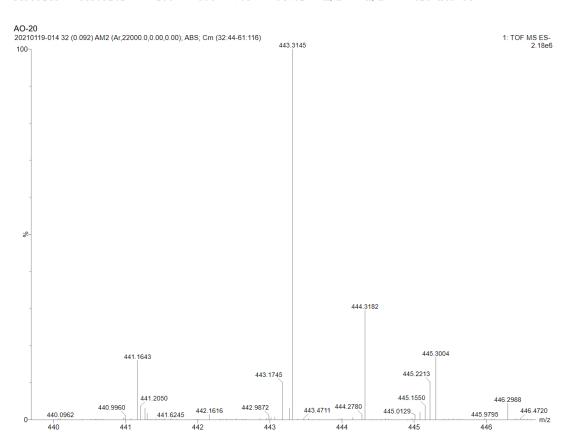


Figure S1: HRESIMS spectrum of 1



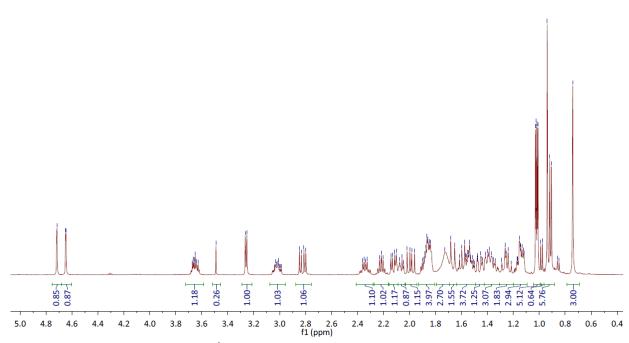


Figure S2: ¹H NMR (500 MHz, CDCl₃) spectrum of 1

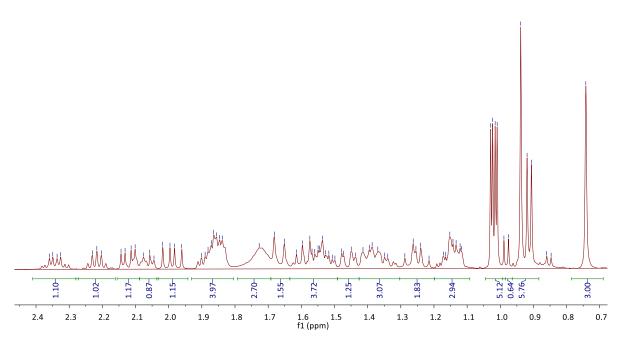
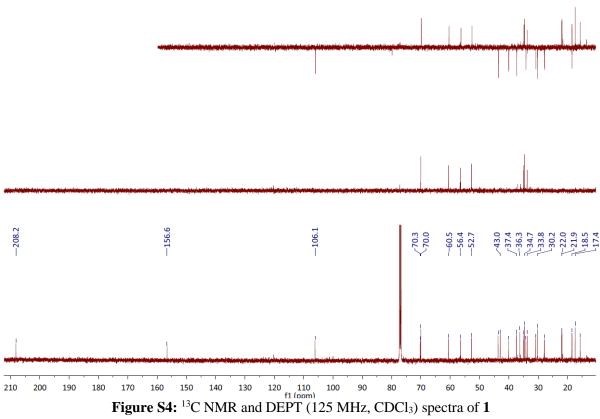


Figure S3: Enlarged ¹H NMR (500 MHz, CDCl₃) spectrum of 1





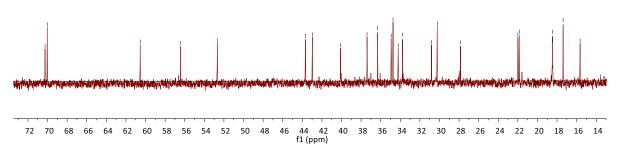


Figure S5: Enlarged 13 C NMR (125 MHz, CDCl₃) spectrum of 1

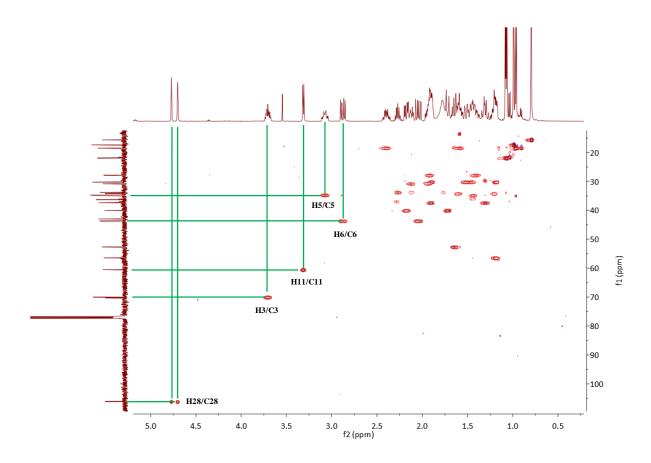


Figure S6: HSQC spectrum of 1

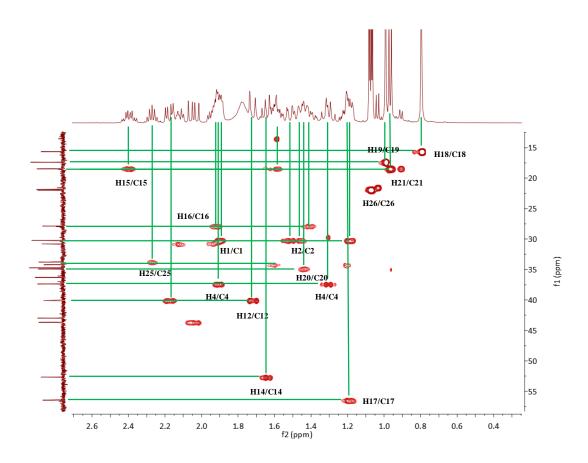


Figure S7: Enlarged HSQC spectrum of 1

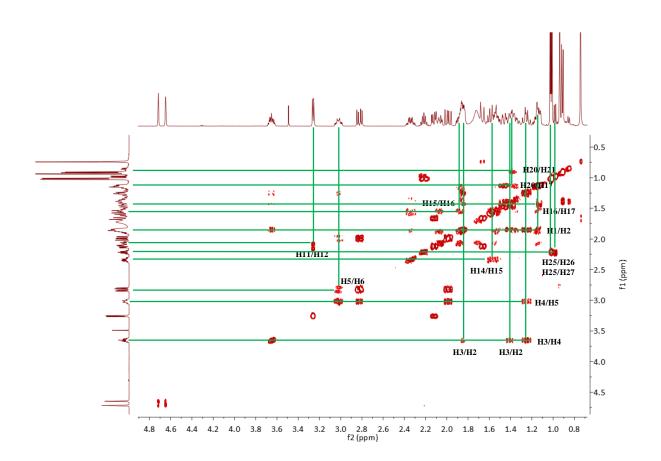


Figure S8: ¹H-¹H COSY spectrum of 1

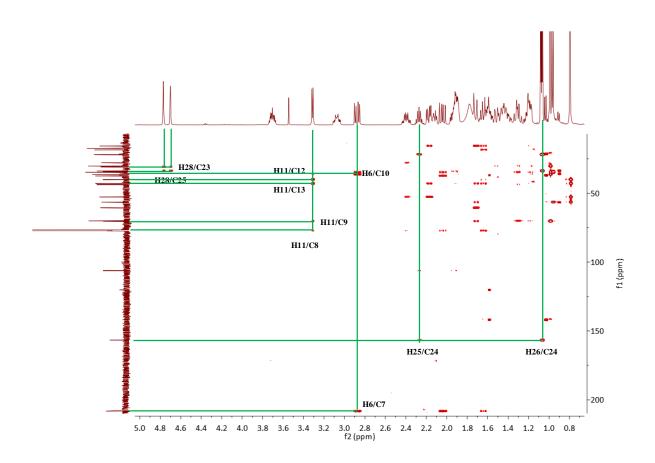


Figure S9: HMBC spectrum of 1

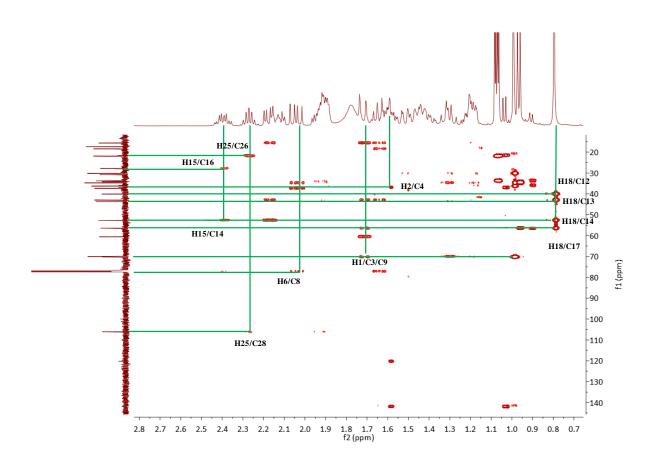


Figure S10: Enlarged HMBC spectrum of 1

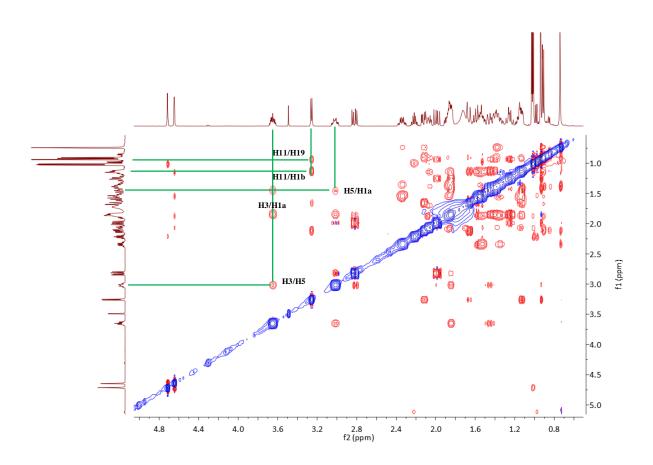


Figure S11: NOESY spectrum of 1

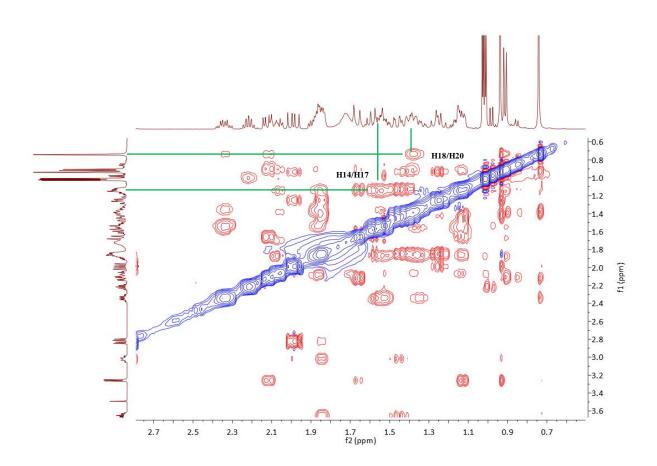
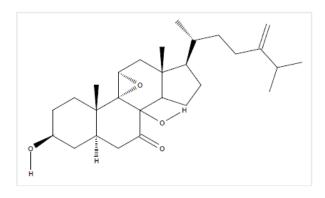


Figure S12: Enlarged NOESY spectrum of ${\bf 1}$



Initiating Search October 11, 2023, 9:09AM





Structure Match: Similarity

Search Tasks





(3β,5α,7α,8α)-

Reference

<u> 1</u>

Reaction

₩ 0

Suppliers

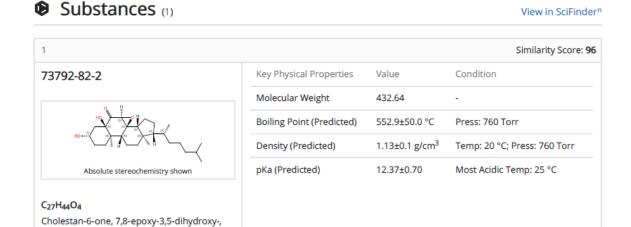


Figure S13: Scifinder search results of 1