### **Supporting Information**

### Rec. Nat. Prod. 17:6 (2023) 1080-1084

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

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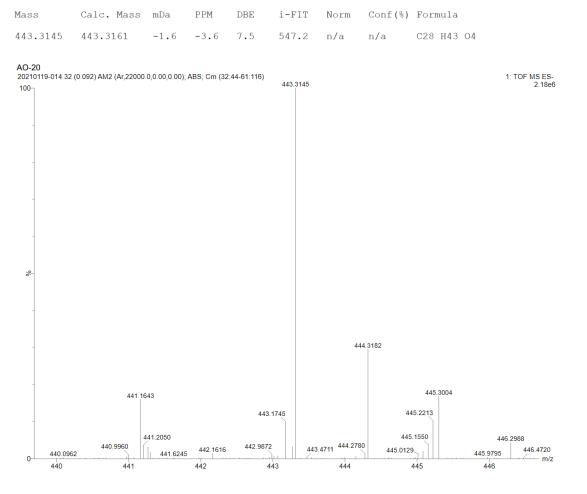
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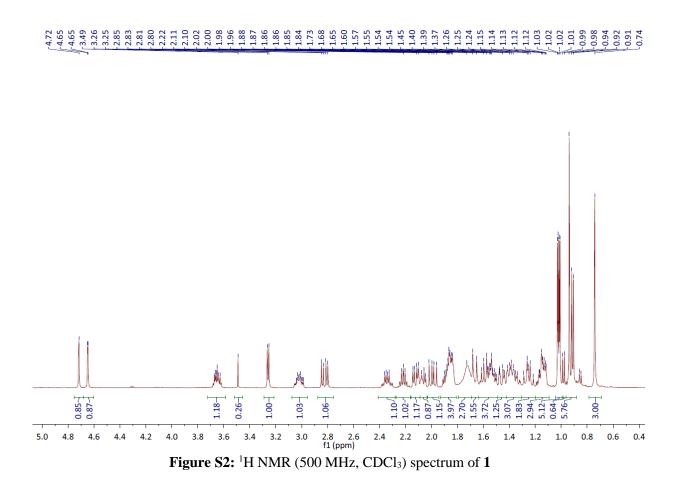
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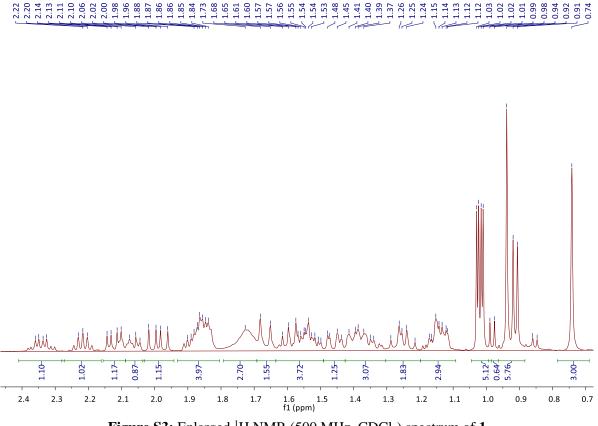
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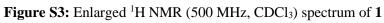
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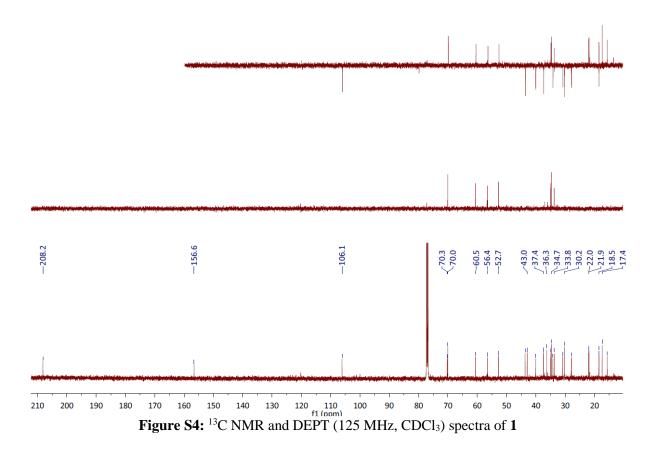












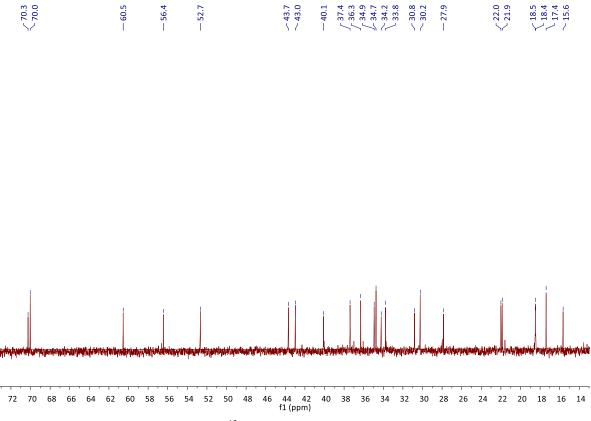


Figure S5: Enlarged <sup>13</sup>C NMR (125 MHz, CDCl<sub>3</sub>) spectrum of 1

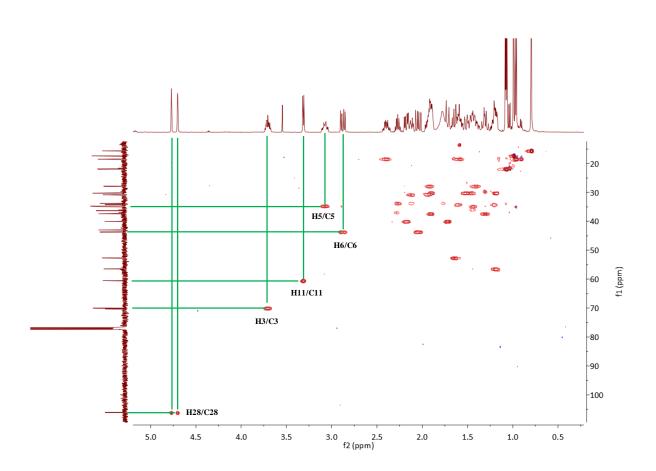


Figure S6: HSQC spectrum of 1

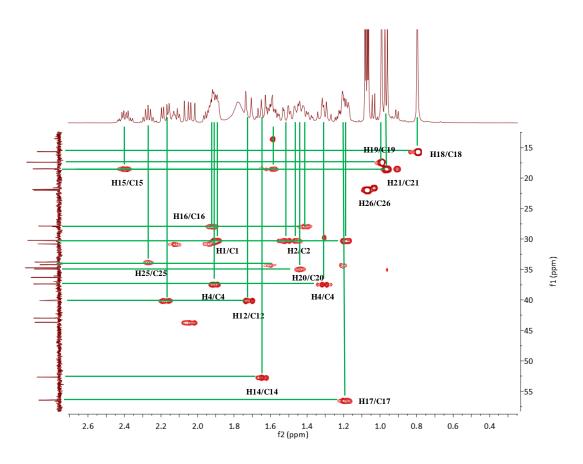


Figure S7: Enlarged HSQC spectrum of 1

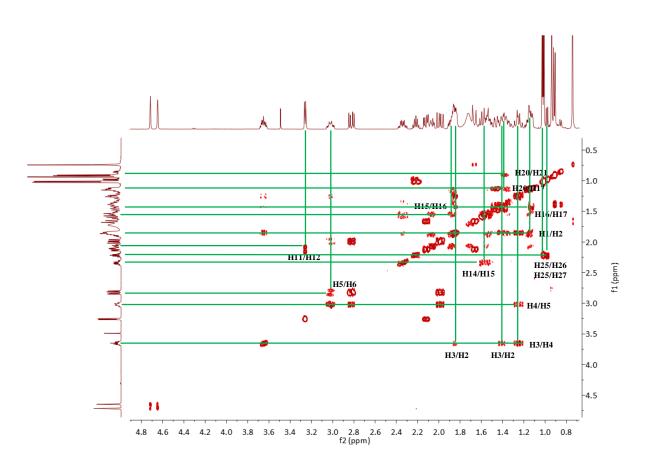


Figure S8: <sup>1</sup>H-<sup>1</sup>H COSY spectrum of 1

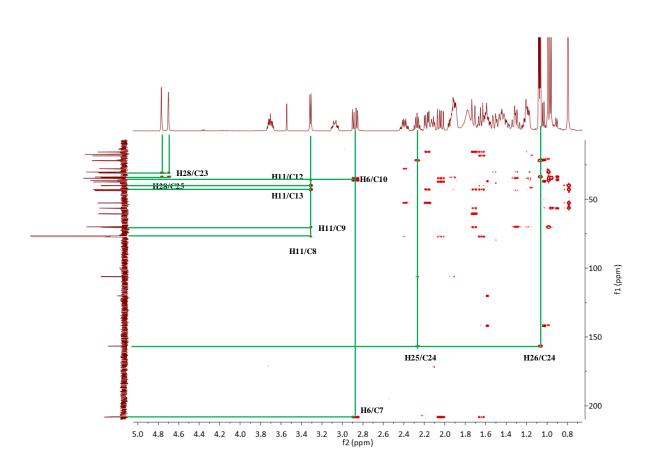


Figure S9: HMBC spectrum of 1

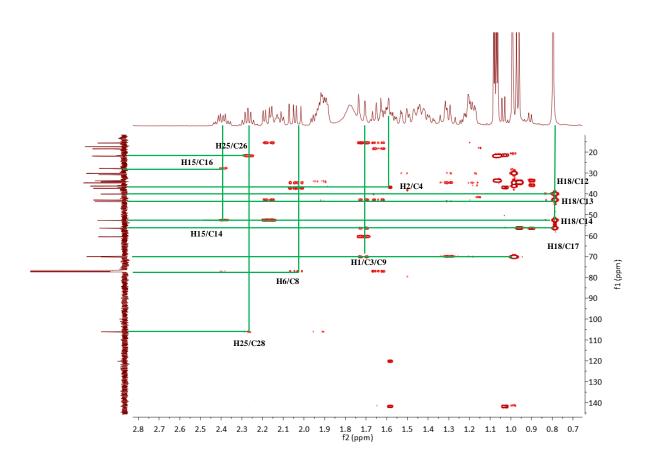


Figure S10: Enlarged HMBC spectrum of 1

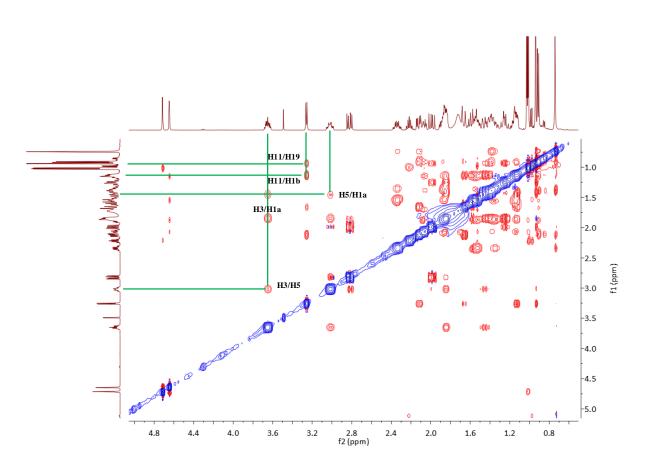


Figure S11: NOESY spectrum of 1

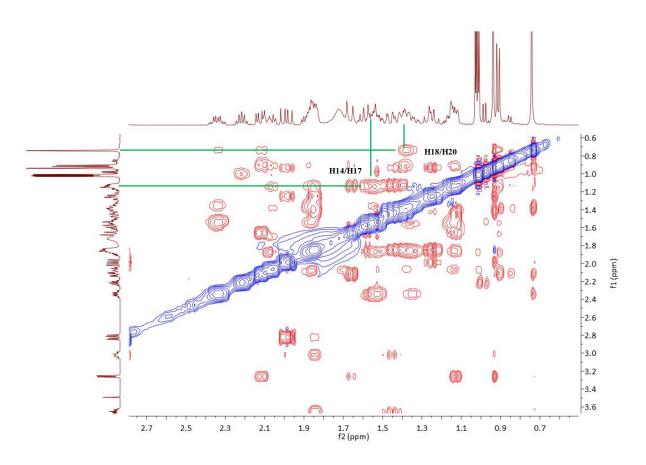


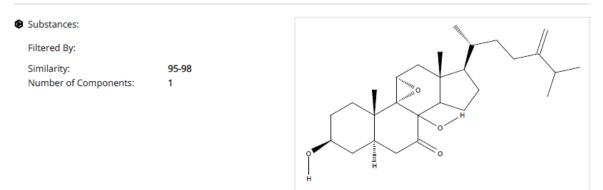
Figure S12: Enlarged NOESY spectrum of 1



#### Task History

#### **Initiating Search**

October 11, 2023, 9:09AM



Structure Match: Similarity

#### Search Tasks

Task	Search Type	View
Exported: Returned Substance Results + Filters (1)	Substances	View Results

## CAS SciFinder

#### Substances (1) View in SciFinder<sup>n</sup> 1 Similarity Score: 96 73792-82-2 Key Physical Properties Value Condition 432.64 Molecular Weight -552.9±50.0 °C Press: 760 Torr Boiling Point (Predicted) Density (Predicted) 1.13±0.1 g/cm<sup>3</sup> Temp: 20 °C; Press: 760 Torr Absolute stereochemistry shown pKa (Predicted) 12.37±0.70 Most Acidic Temp: 25 °C C<sub>27</sub>H<sub>44</sub>O<sub>4</sub> Cholestan-6-one, 7,8-epoxy-3,5-dihydroxy-, (3β,5α,7α,8α)--] 1 A 1 0 Reference Reaction Suppliers

Figure S13: Scifinder search results of 1