

Biosynthesis of Two Dihydropyrrole-Polyketides from a Marine-Derived *Penicillium citrinum*

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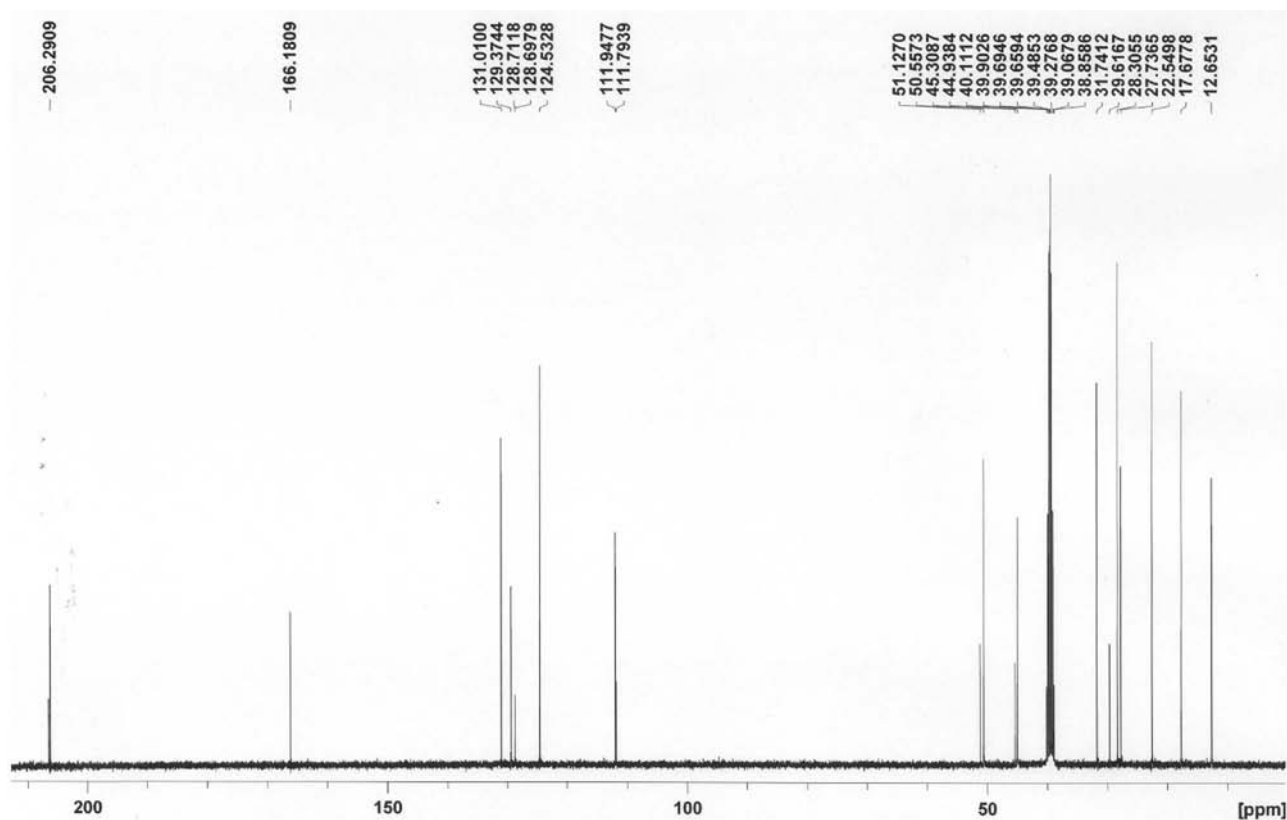


Figure S1. ¹³C NMR spectrum (100 MHz, DMSO-*d*₆) of compound 1.

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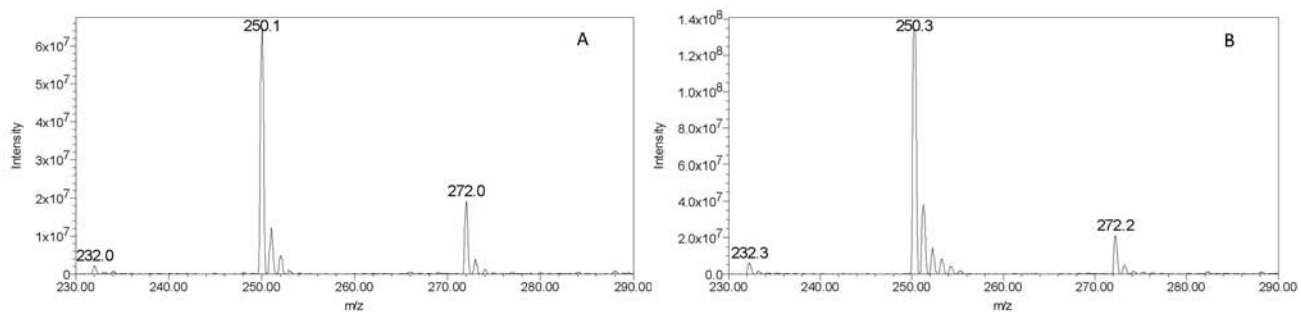


Figure S2. (A) Mass spectrum of compound **1**; (B) mass spectrum of compound **1** produced by *P. citrinum* in medium enriched with sodium[1-¹³C]acetate.

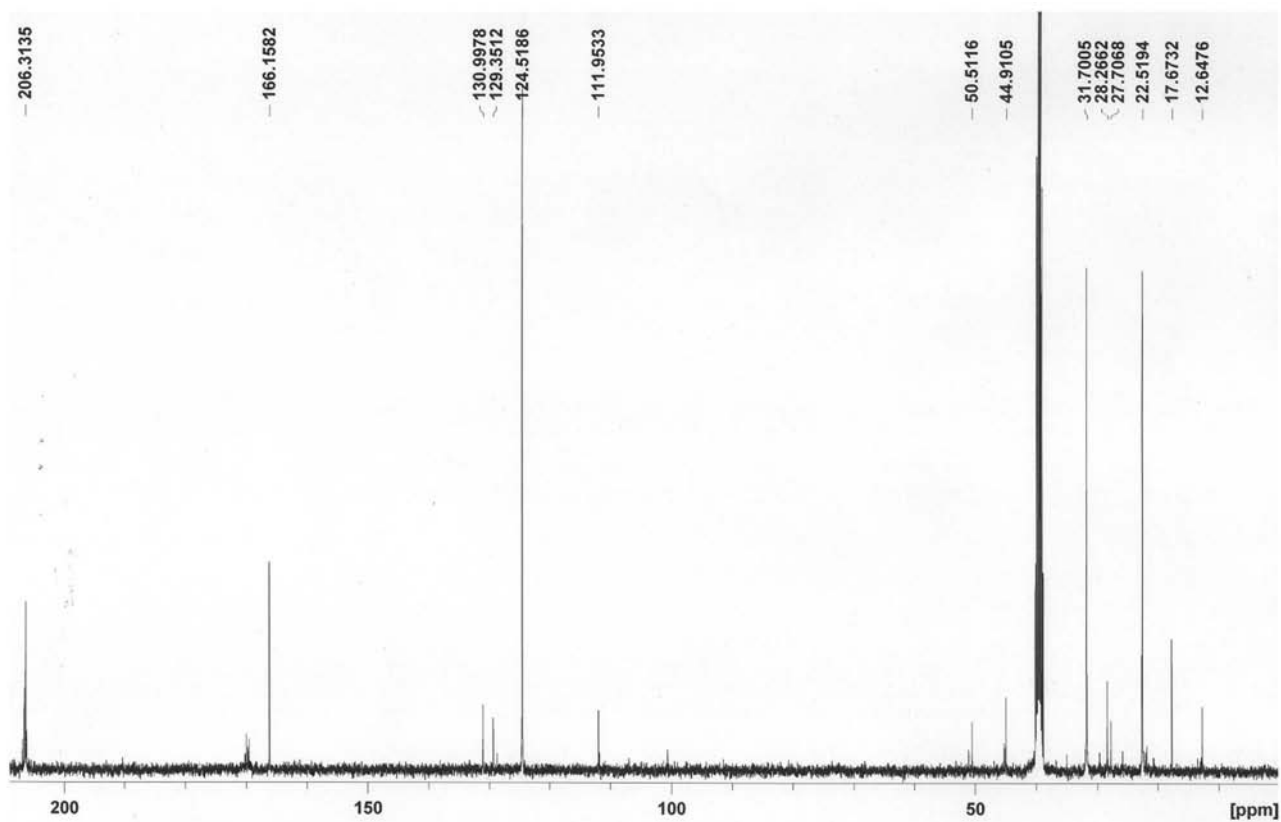


Figure S3. ¹³C NMR spectrum (100 MHz, DMSO-*d*₆) of compound **1** produced by *P. citrinum* in medium enriched with sodium[1-¹³C]acetate.

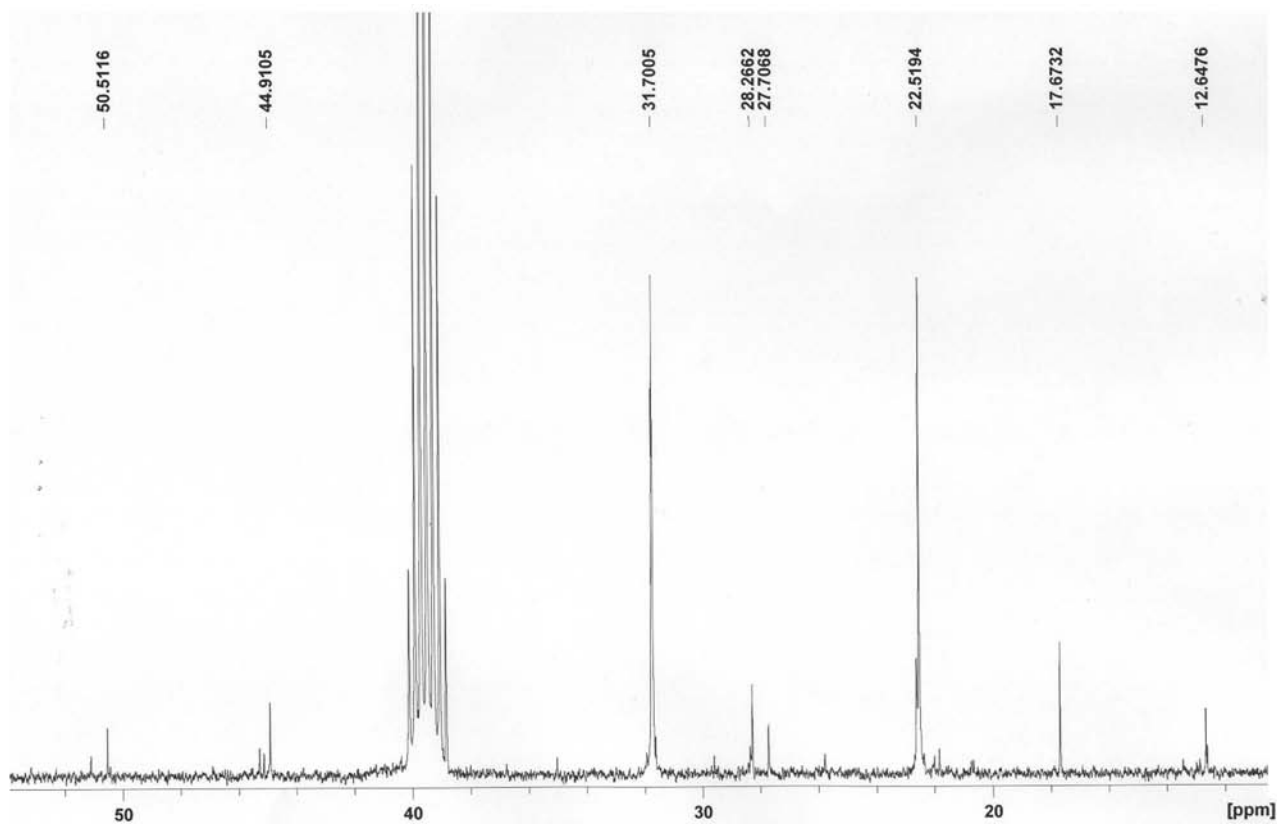


Figure S4. Expansion of the ^{13}C NMR spectrum (100 MHz, $\text{DMSO-}d_6$) of compound **1** produced by *P. citrinum* in medium enriched with sodium[1- ^{13}C]acetate.

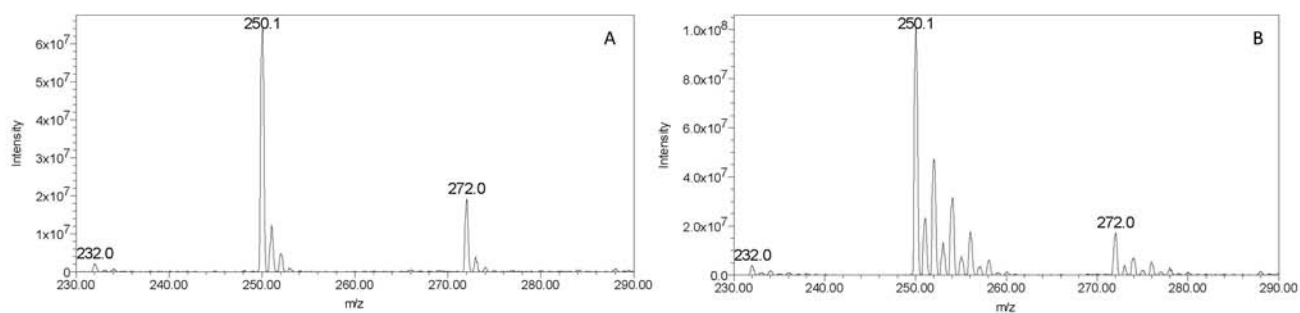


Figure S5. (A) Mass spectrum of compound **1**; (B) mass spectrum of compound **1** produced by *P. citrinum* in medium enriched with sodium[1,2- $^{13}\text{C}_2$]acetate.

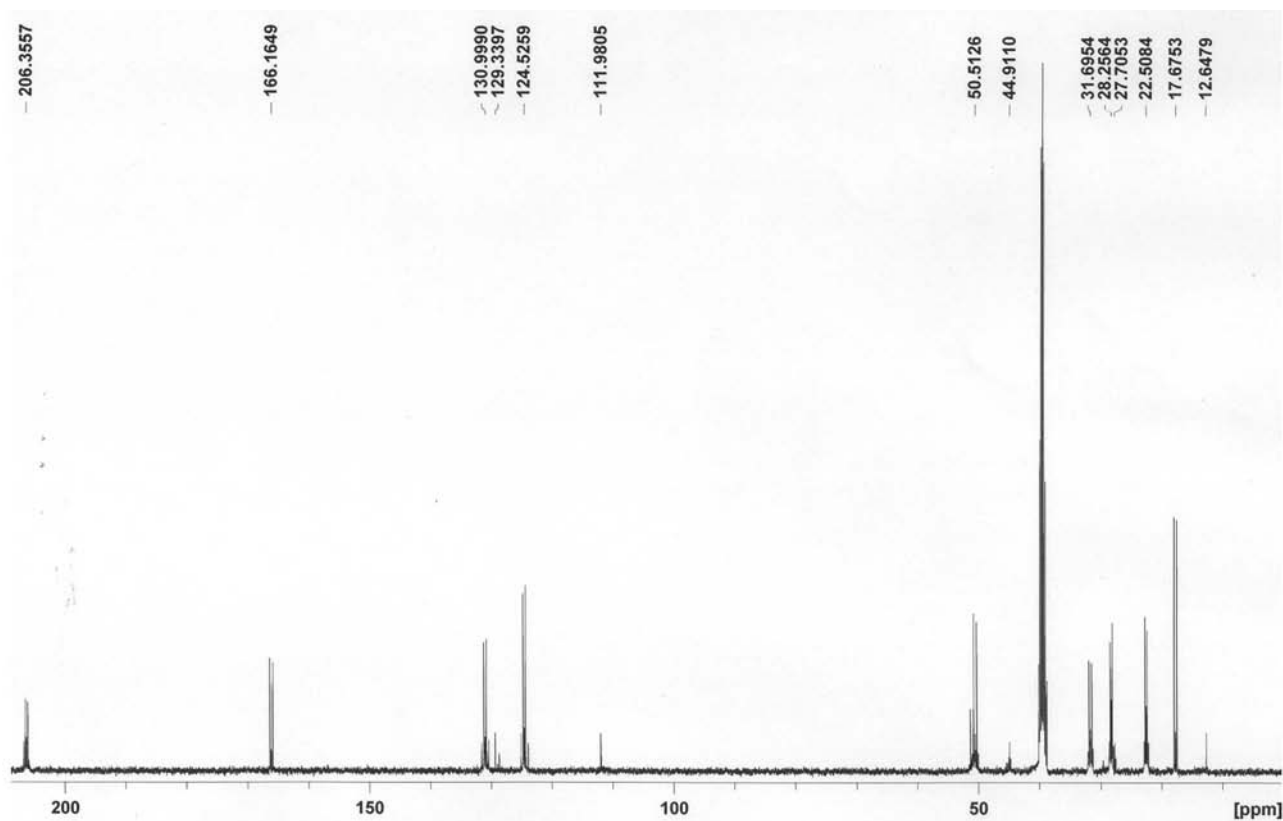


Figure S6. ¹³C NMR spectrum (100 MHz, DMSO-*d*₆) of compound **1** produced by *P. citrinum* in medium enriched with sodium[1,2-¹³C₂]acetate.

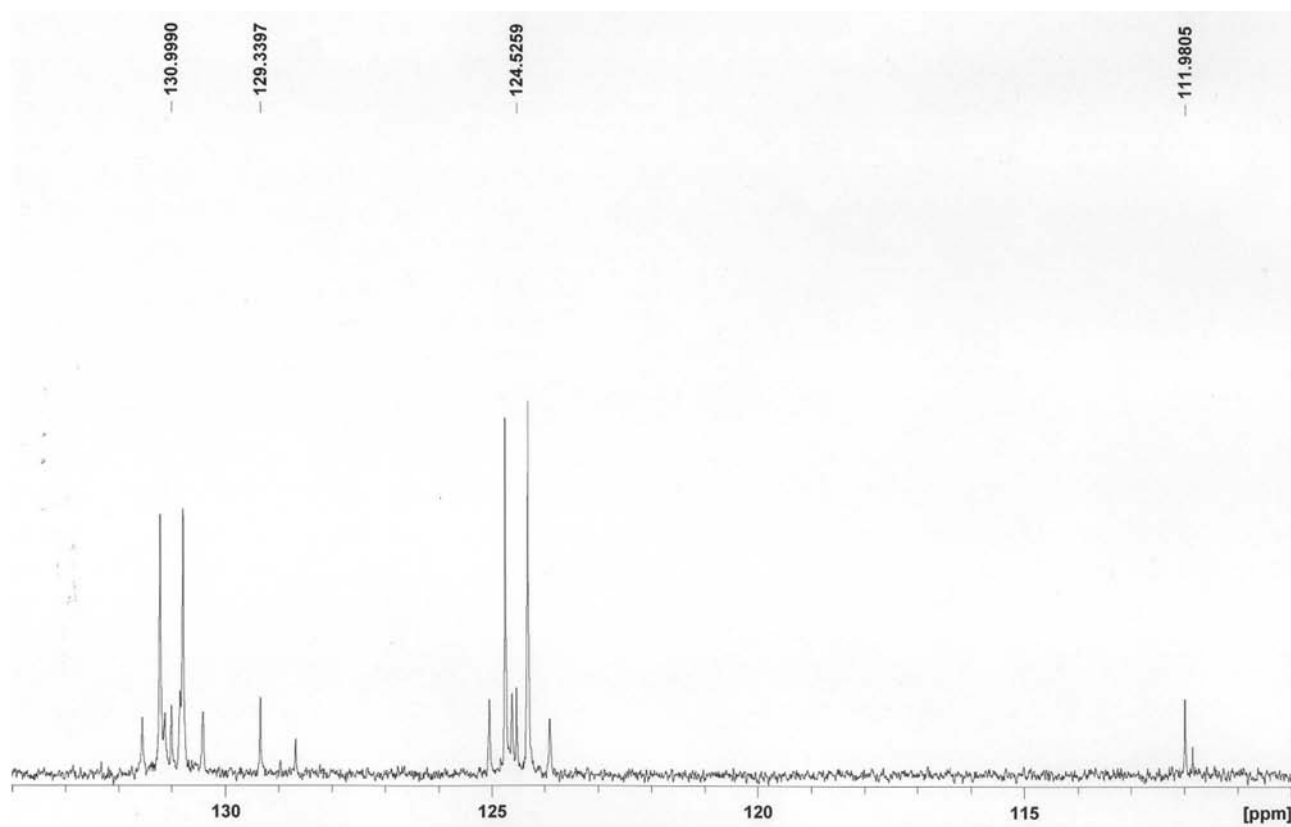


Figure S7. Expansion of the ¹³C NMR spectrum (100 MHz, DMSO-*d*₆) of compound **1** produced by *P. citrinum* in medium enriched with sodium[1,2-¹³C₂]acetate.

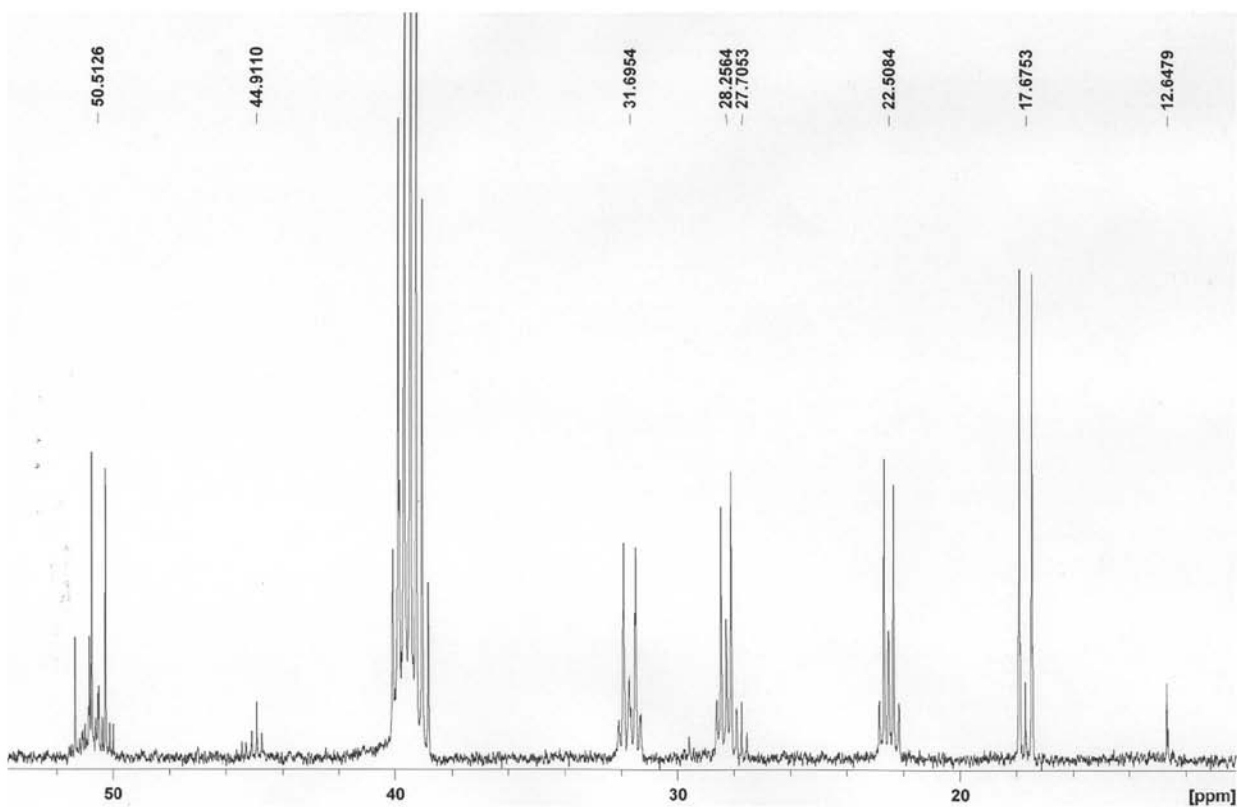


Figure S8. Expansion of the ^{13}C NMR spectrum (100 MHz, $\text{DMSO-}d_6$) of compound **1** produced by *P. citrinum* in medium enriched with sodium[1,2- $^{13}\text{C}_2$]acetate.

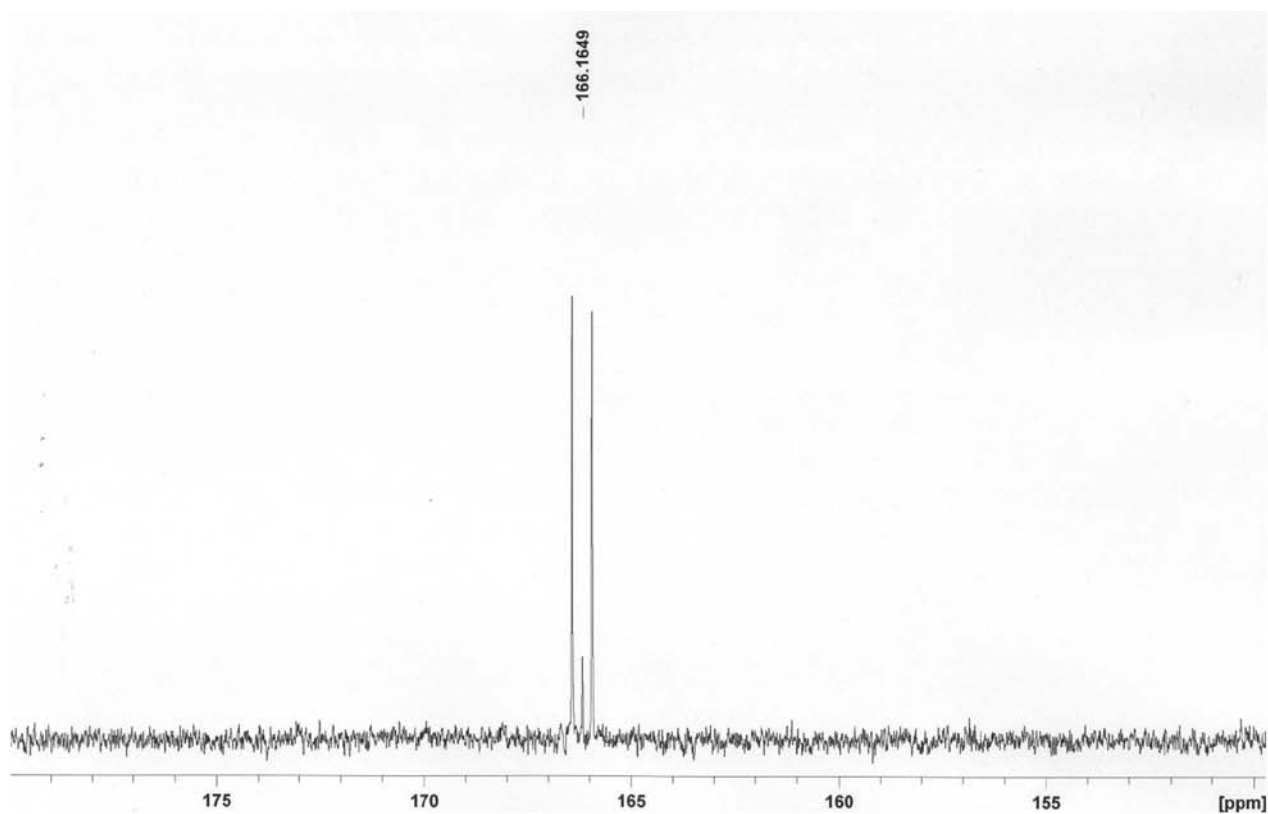


Figure S9. Expansion of the ^{13}C NMR spectrum (100 MHz, $\text{DMSO-}d_6$) of compound **1** produced by *P. citrinum* in medium enriched with sodium[1,2- $^{13}\text{C}_2$]acetate.

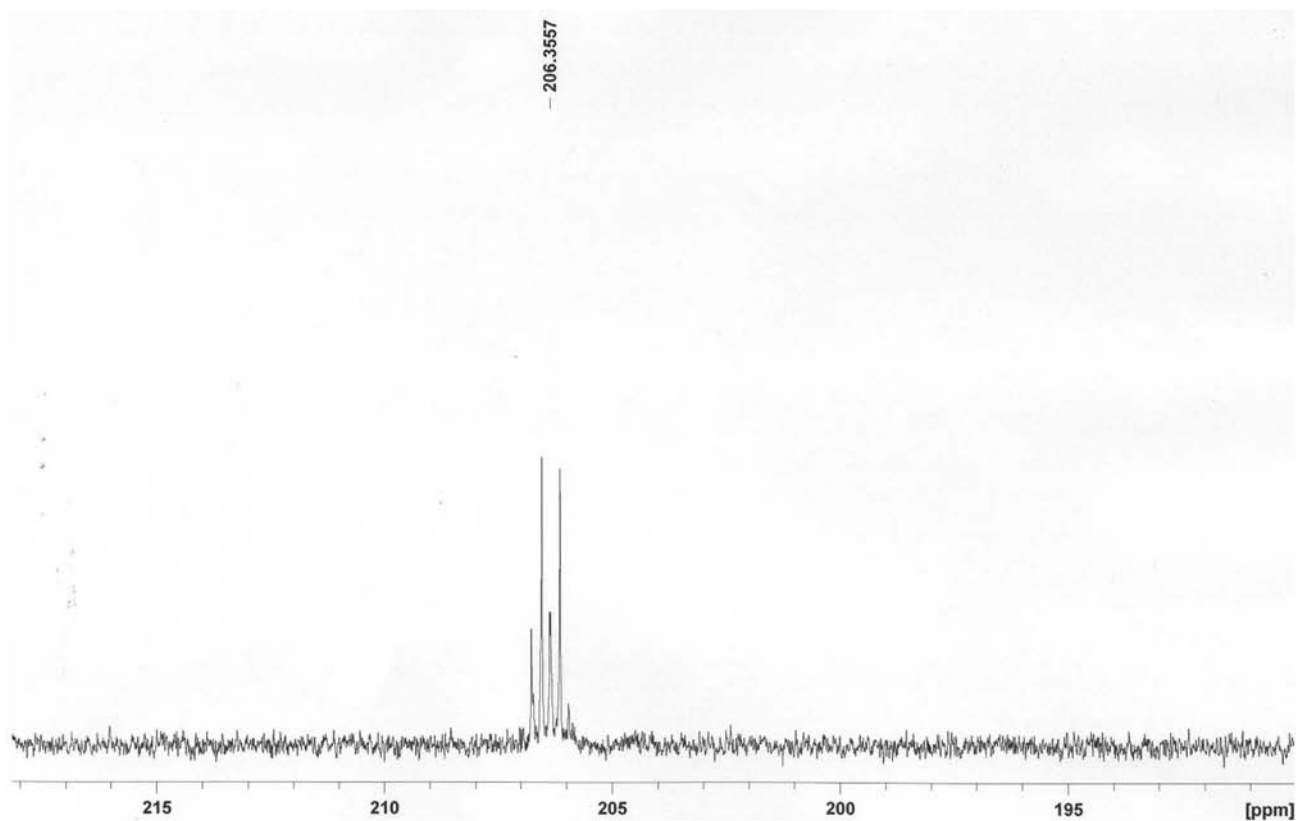


Figure S10. Expansion of the ^{13}C NMR spectrum (100 MHz, $\text{DMSO-}d_6$) of compound **1** produced by *P. citrinum* in medium enriched with sodium[1,2- $^{13}\text{C}_2$]acetate.

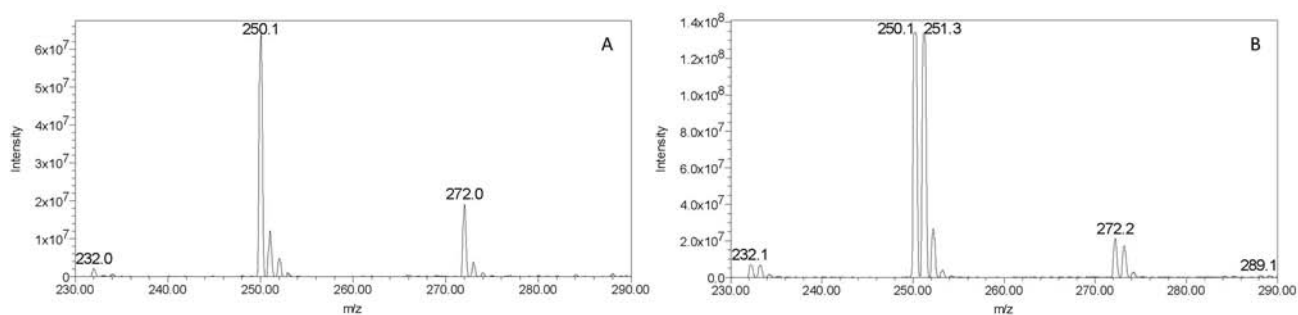


Figure S11. (A) Mass spectrum of compound **1**; (B) mass spectrum of compound **1** produced by *P. citrinum* in medium enriched with [methyl- ^{13}C]methionine.

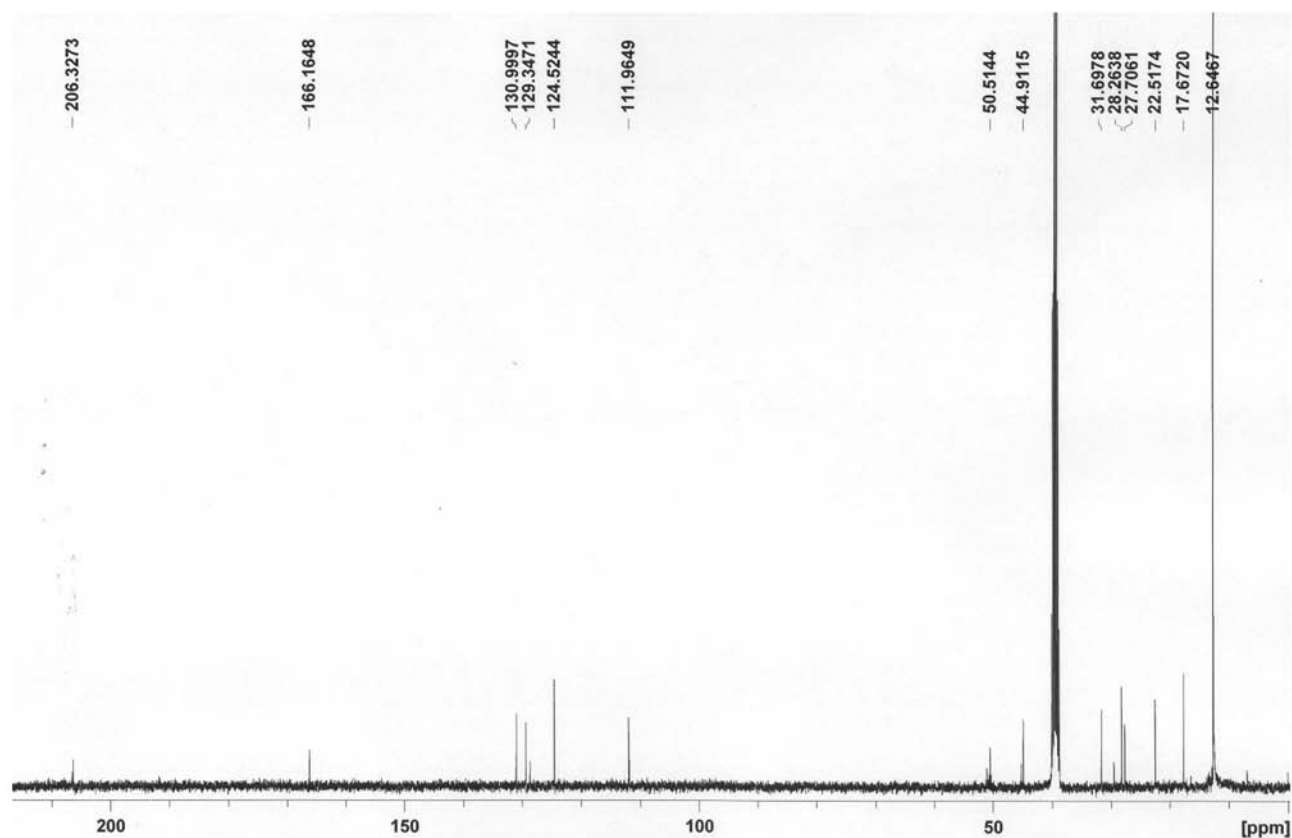


Figure S12. ^{13}C NMR spectrum (100 MHz, $\text{DMSO-}d_6$) of compound **1** produced by *P. citrinum* in medium enriched with [methyl- ^{13}C]methionine.

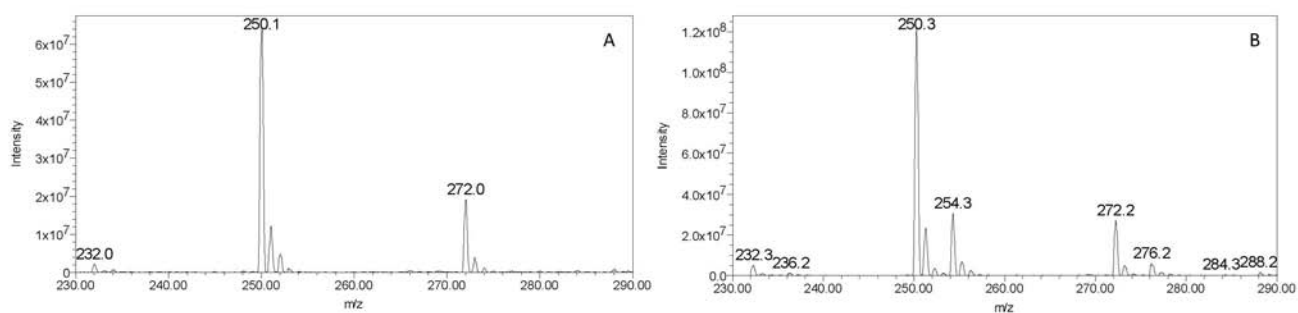


Figure S13. (A) Mass spectrum of compound **1**; (B) mass spectrum of compound **1** produced by *P. citrinum* in medium enriched with [$^{13}\text{C}_5$]ornithine.

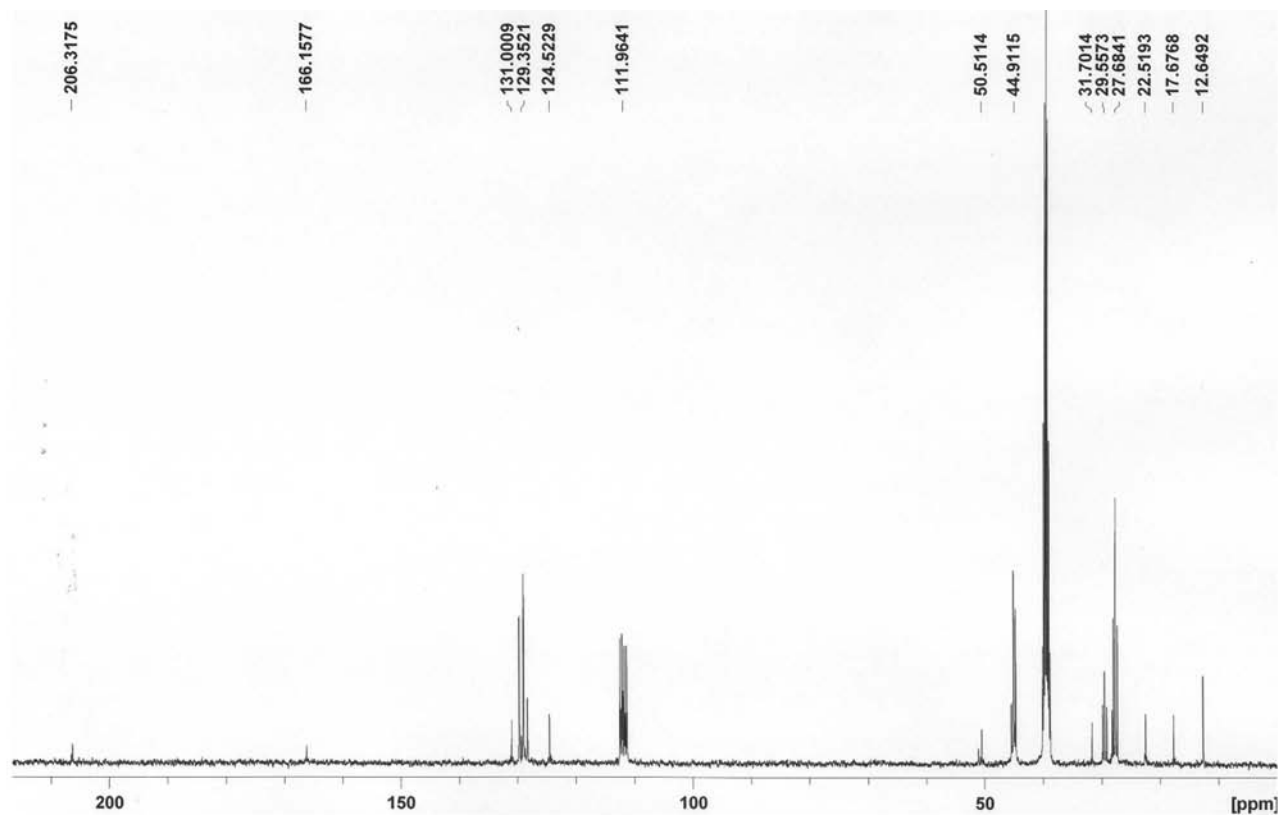


Figure S14. ¹³C NMR spectrum (100 MHz, DMSO-*d*₆) of compound **1** produced by *P. citrinum* in medium enriched with [U-¹³C₅]ornithine.

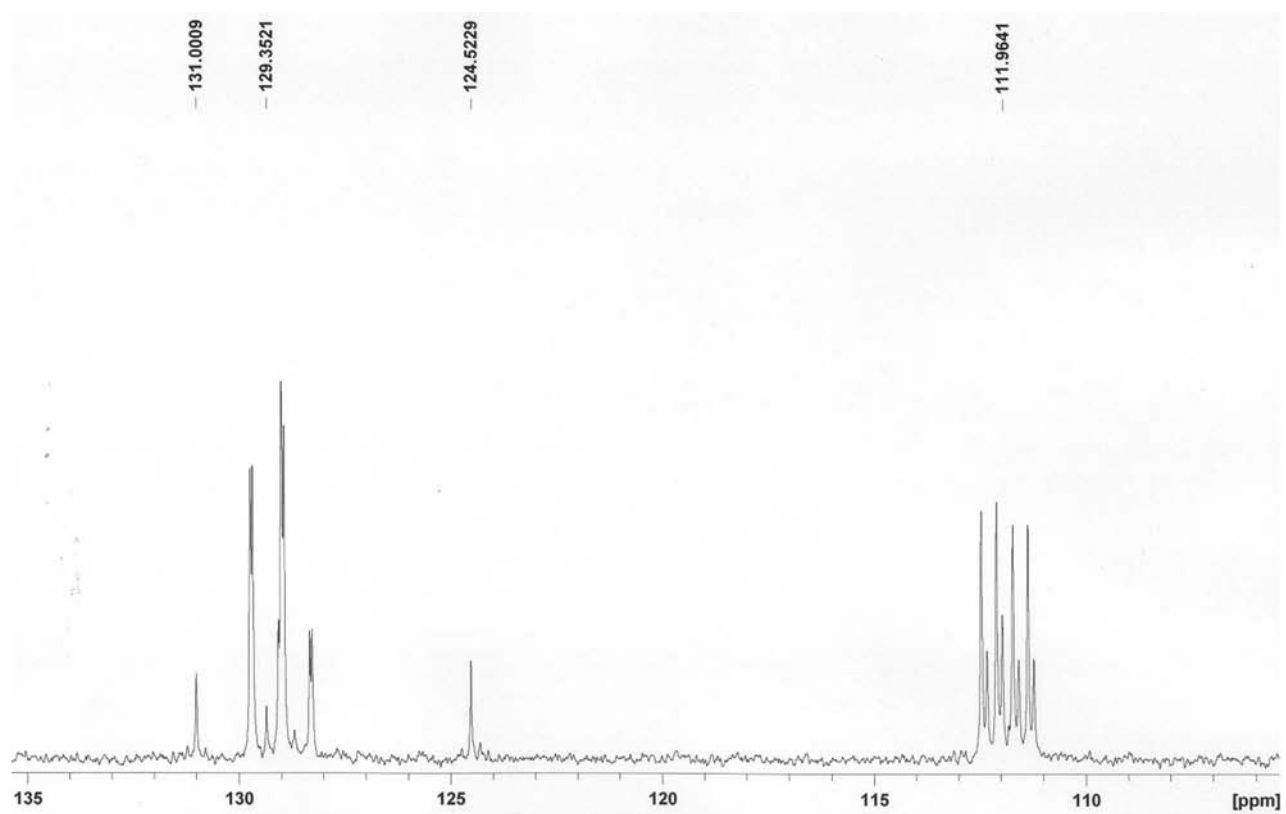


Figure S15. Expansion of the ¹³C NMR spectrum (100 MHz, DMSO-*d*₆) of compound **1** produced by *P. citrinum* in medium enriched with [U-¹³C₅]ornithine.

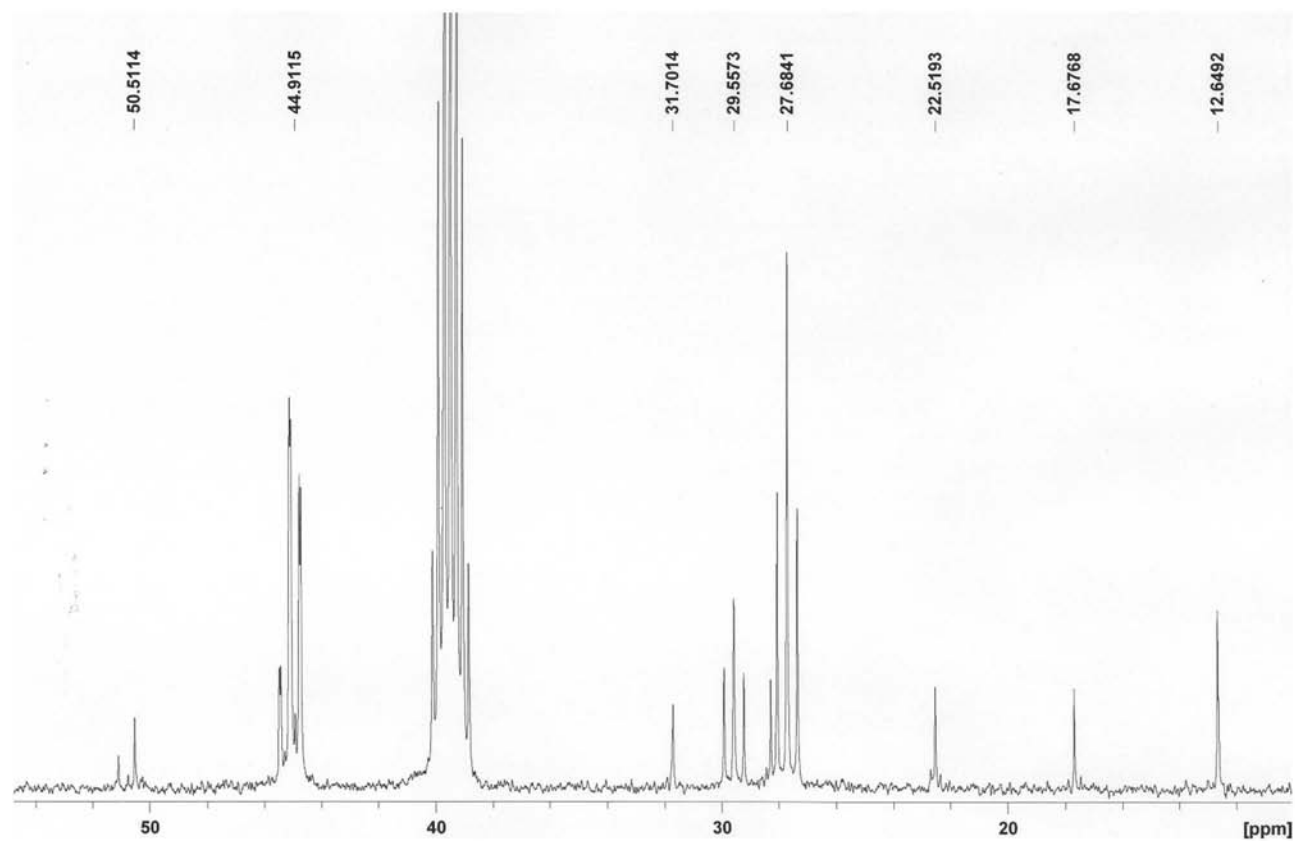


Figure S16. Expansion of the ^{13}C NMR spectrum (100 MHz, $\text{DMSO-}d_6$) of compound **1** produced by *P. citrinum* in medium enriched with $[\text{U-}^{13}\text{C}_5]$ ornithine.