
Supplementary Materials

Two new spiro-heterocyclic γ -lactams from a marine-derived *Aspergillus fumigatus* strain CUGBMF170049

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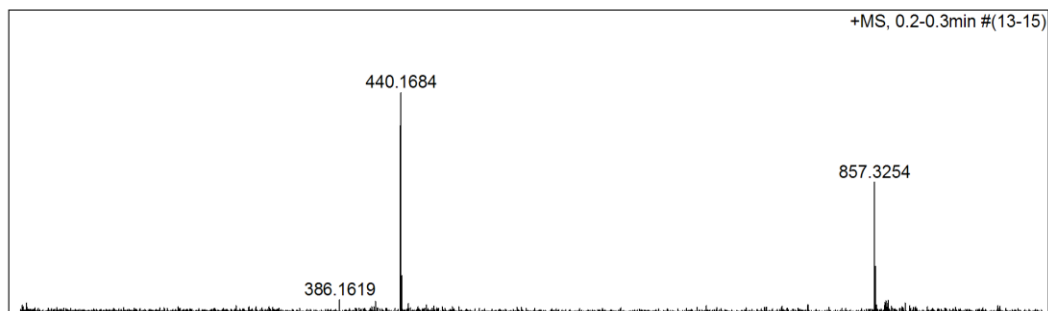


Figure S1. HRESIMS for compound **1**

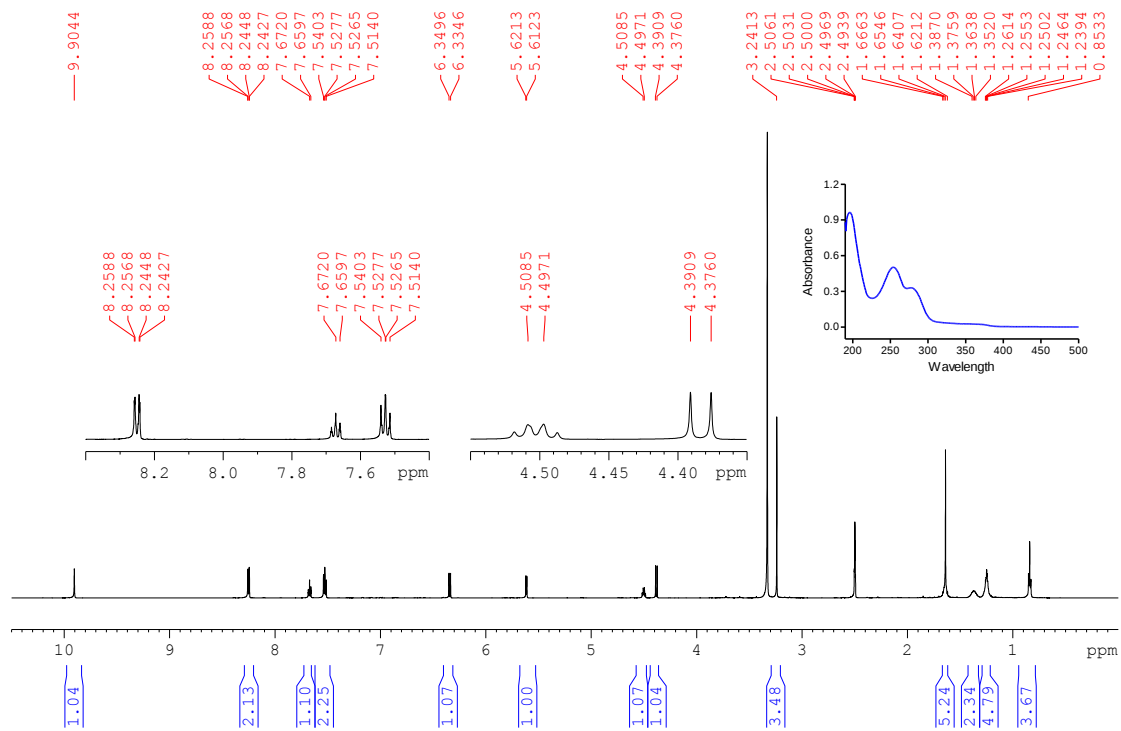


Figure S2. ¹H NMR spectrum (600 MHz, DMSO-d₆) of **1**

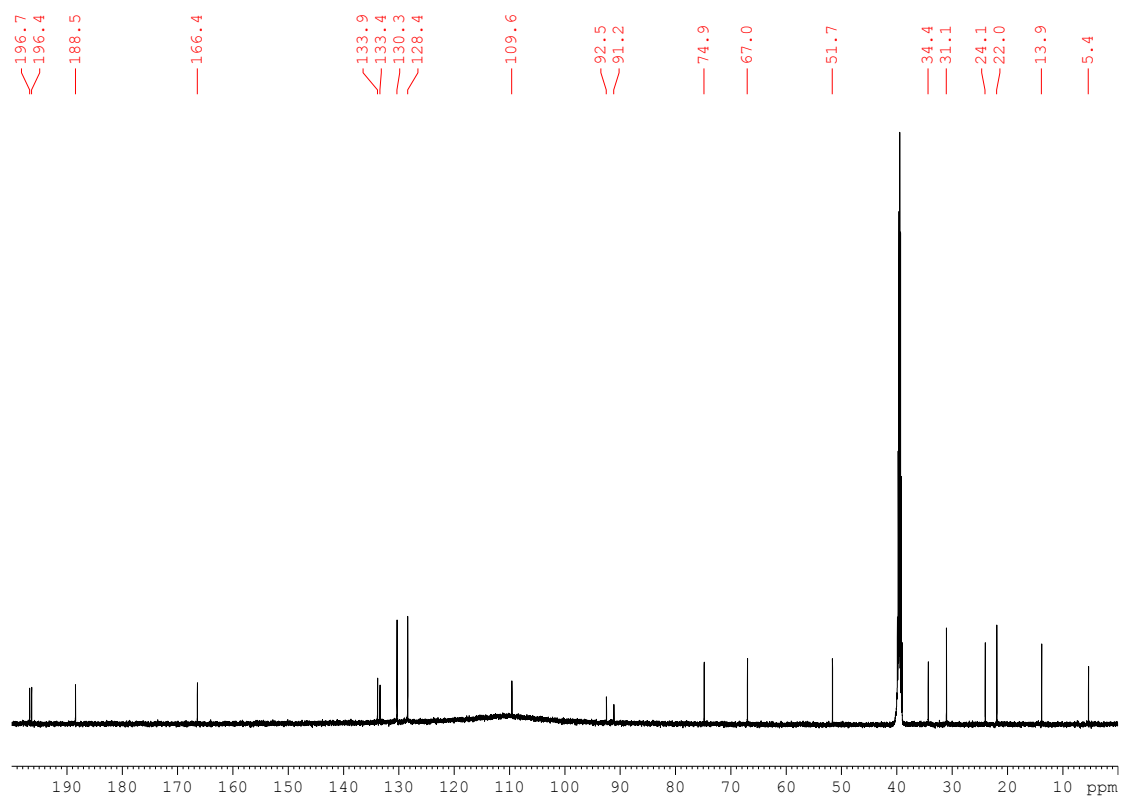


Figure S3. ^{13}C NMR spectrum (150 MHz, $\text{DMSO}-d_6$) of **1**

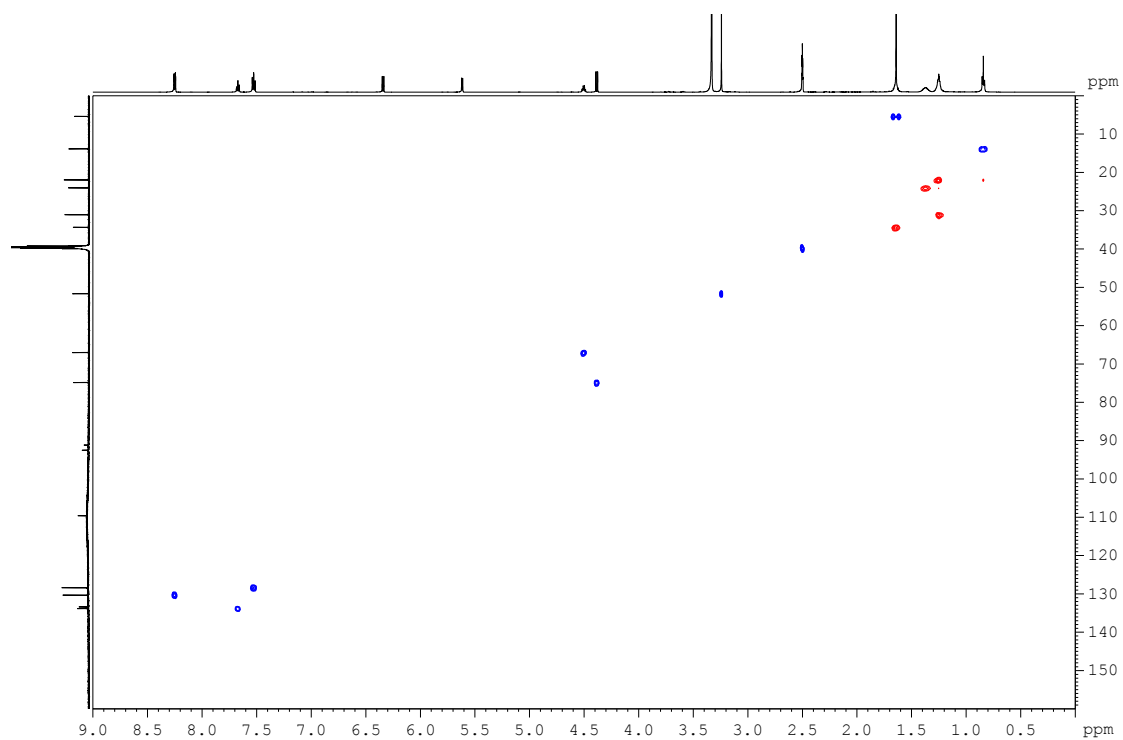


Figure S4. HSQC spectrum (600 MHz, $\text{DMSO}-d_6$) of **1**

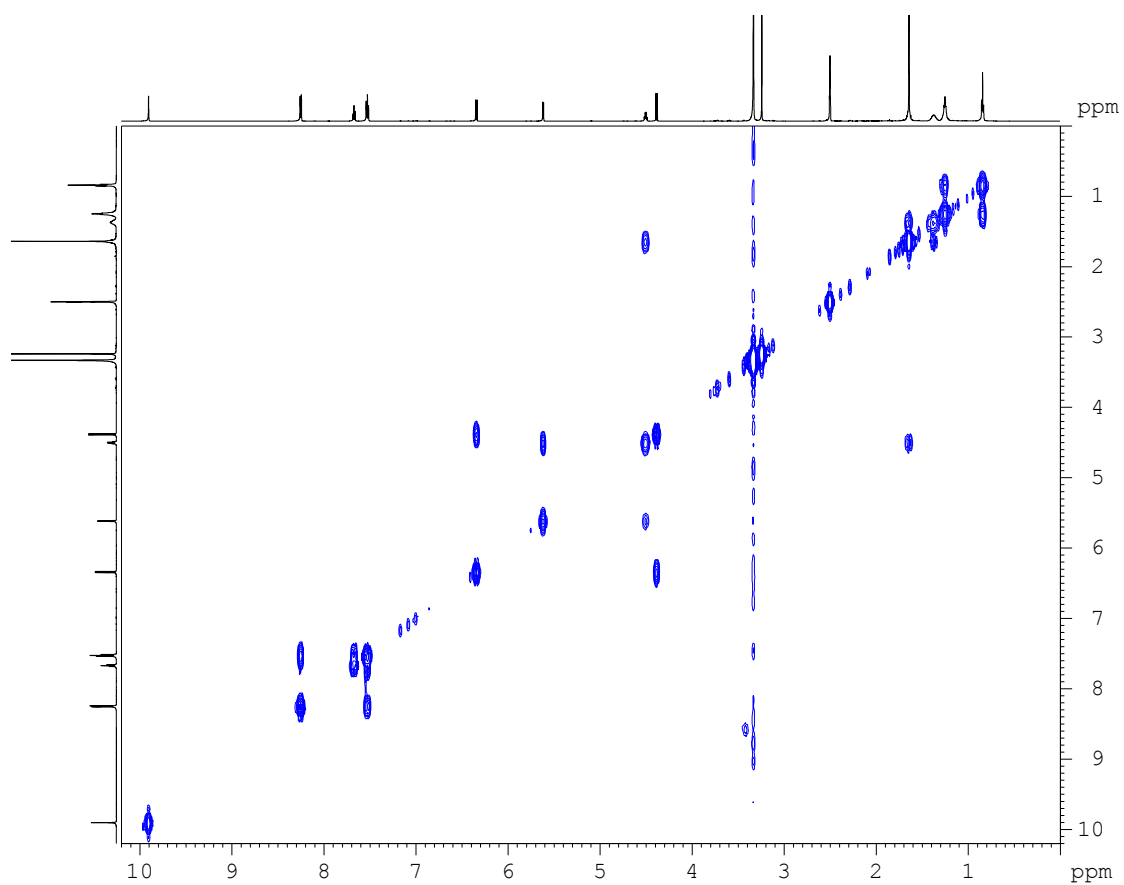


Figure S5. ^1H - ^1H COSY spectrum (600 MHz, $\text{DMSO}-d_6$) of **1**

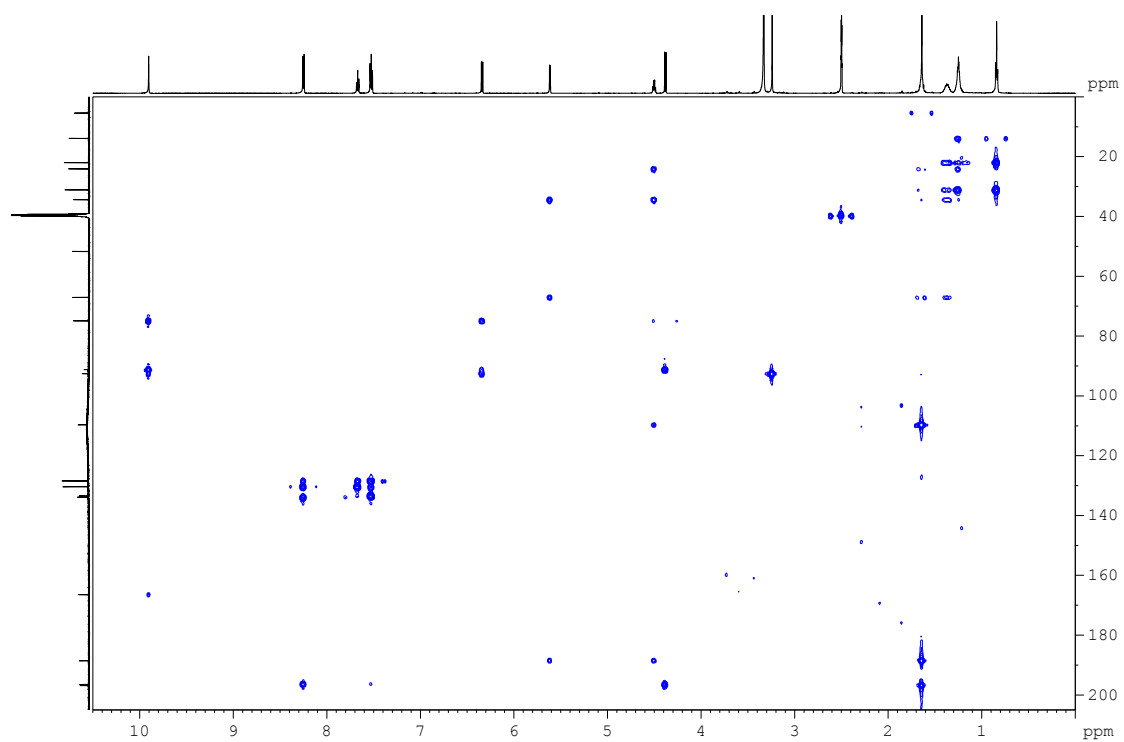


Figure S6. HMBC spectrum (600 MHz, $\text{DMSO}-d_6$) of **1**

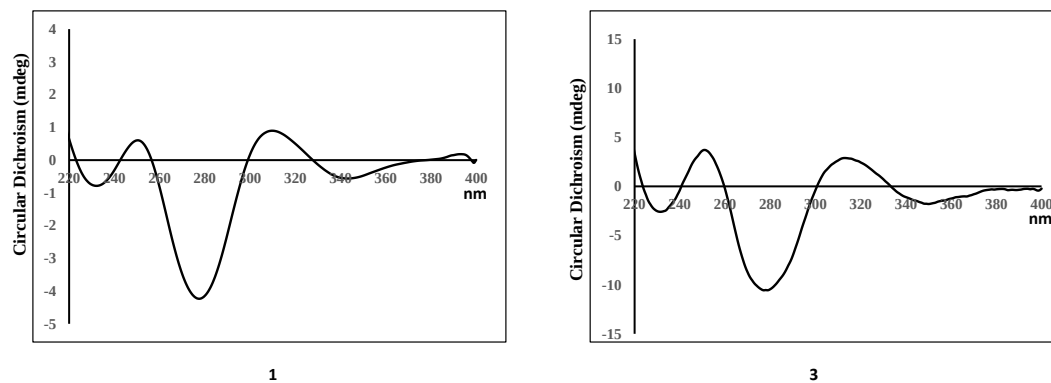


Figure S7. CD spectra of **1** and **3** (MeOH)

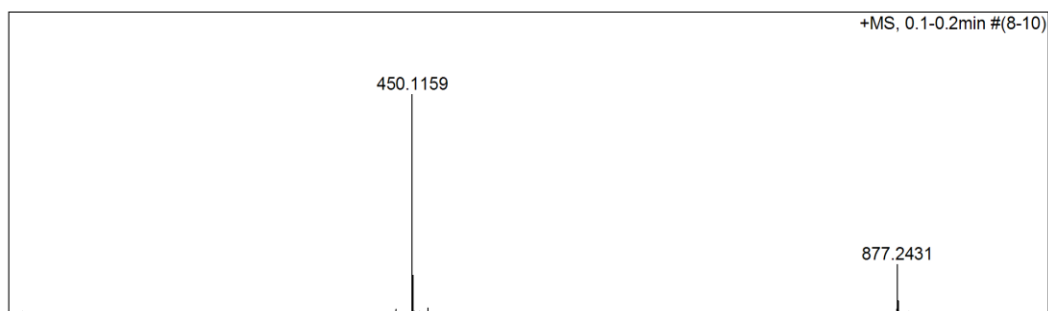


Figure S8. HRESIMS for compound **2**

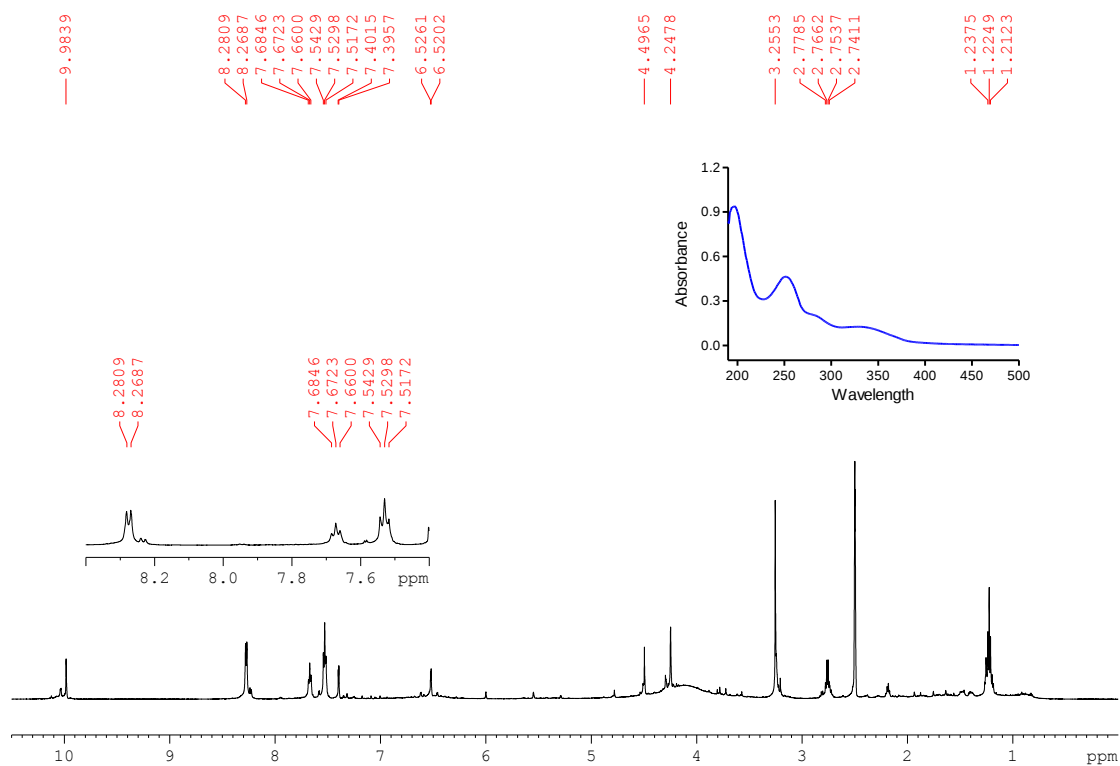


Figure S9. ¹H NMR spectrum (600 MHz, DMSO-*d*₆) of 2

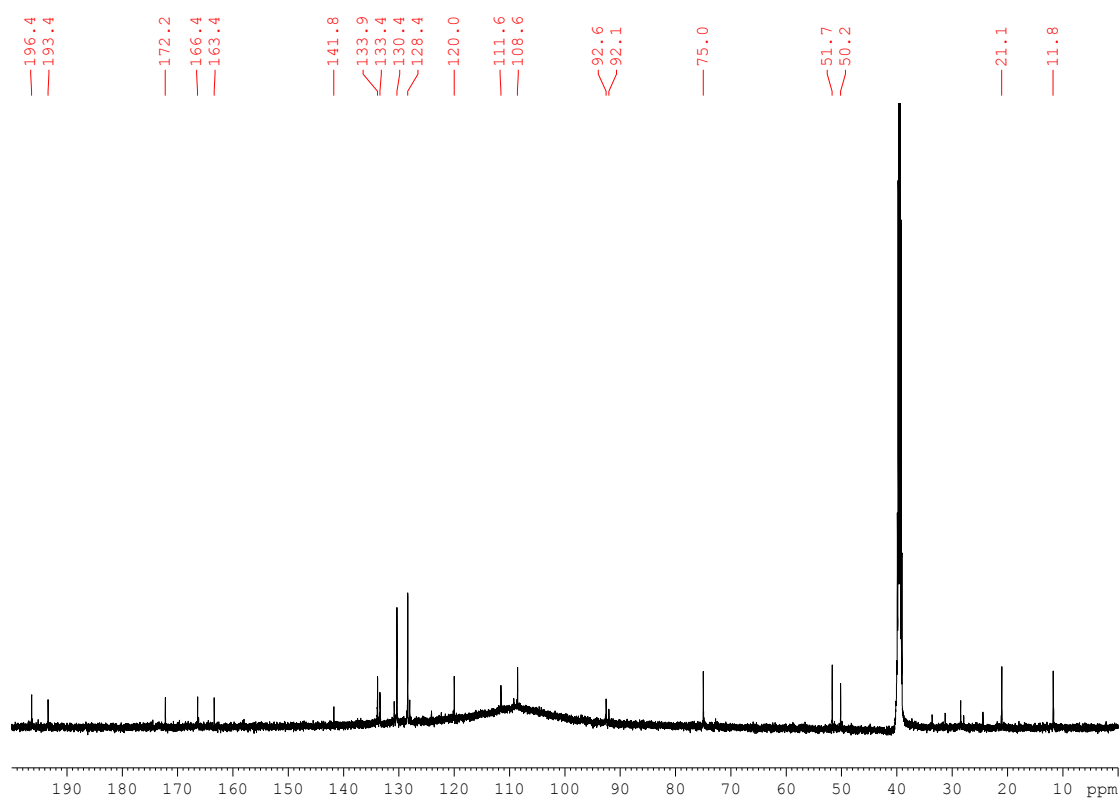


Figure S10. ¹³C NMR spectrum (150 MHz, DMSO-*d*₆) of 2

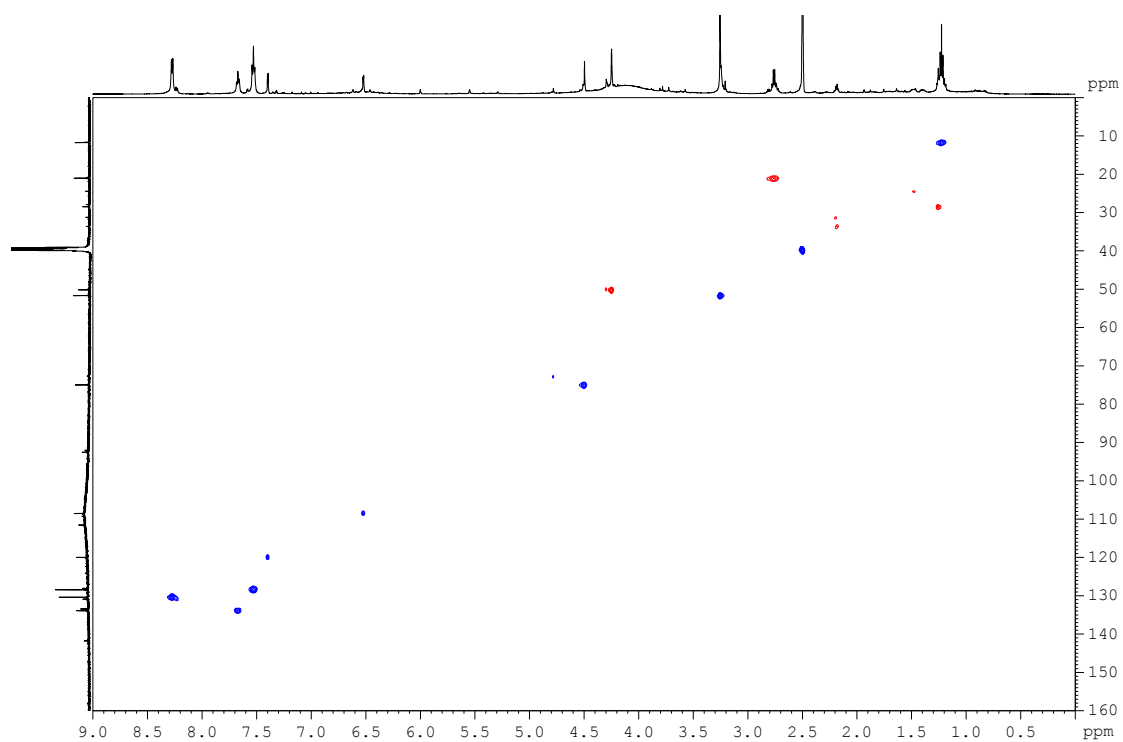


Figure S11. HSQC spectrum (600 MHz, DMSO- d_6) of **2**

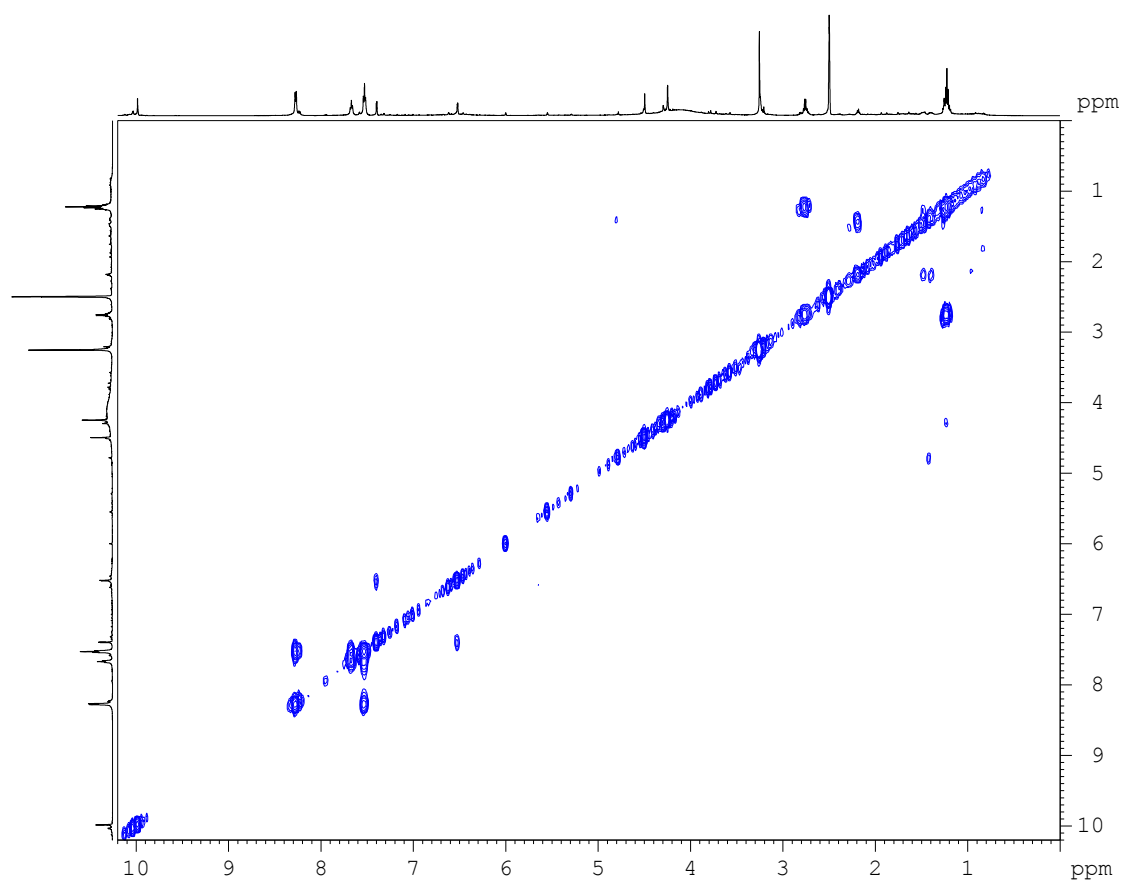


Figure S12. ^1H - ^1H COSY spectrum (600MHz, DMSO- d_6) of **2**

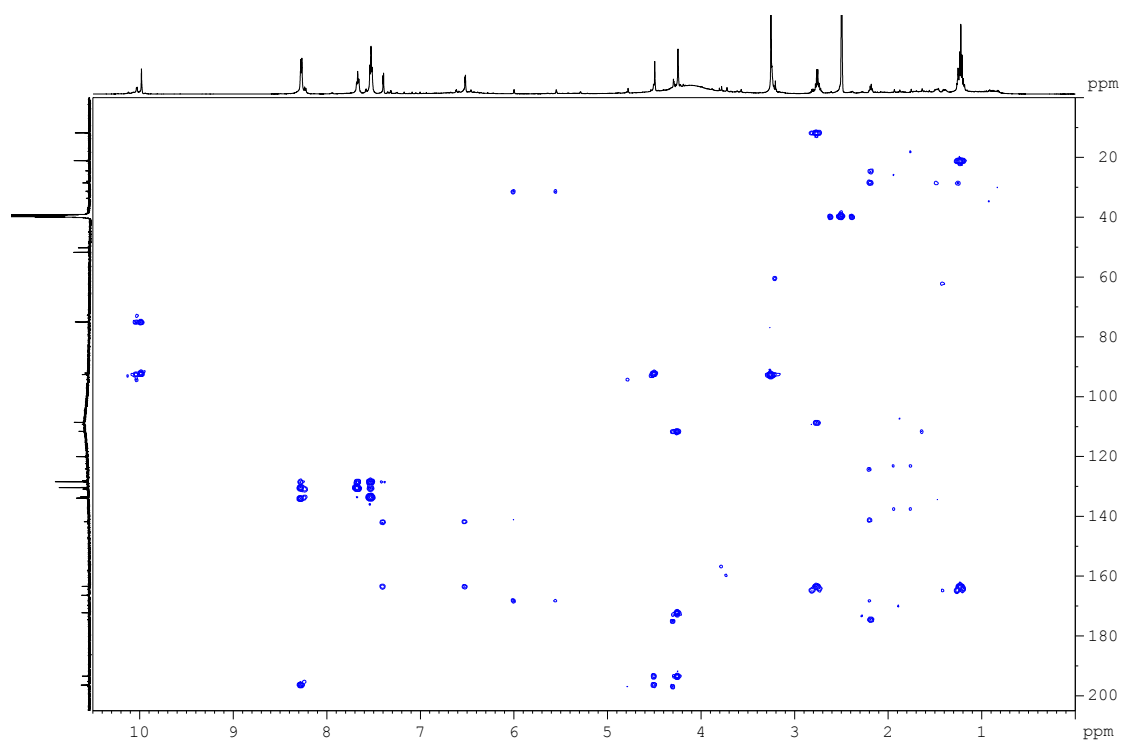


Figure S13. HMBC spectrum (600 MHz, DMSO- d_6) of **2**

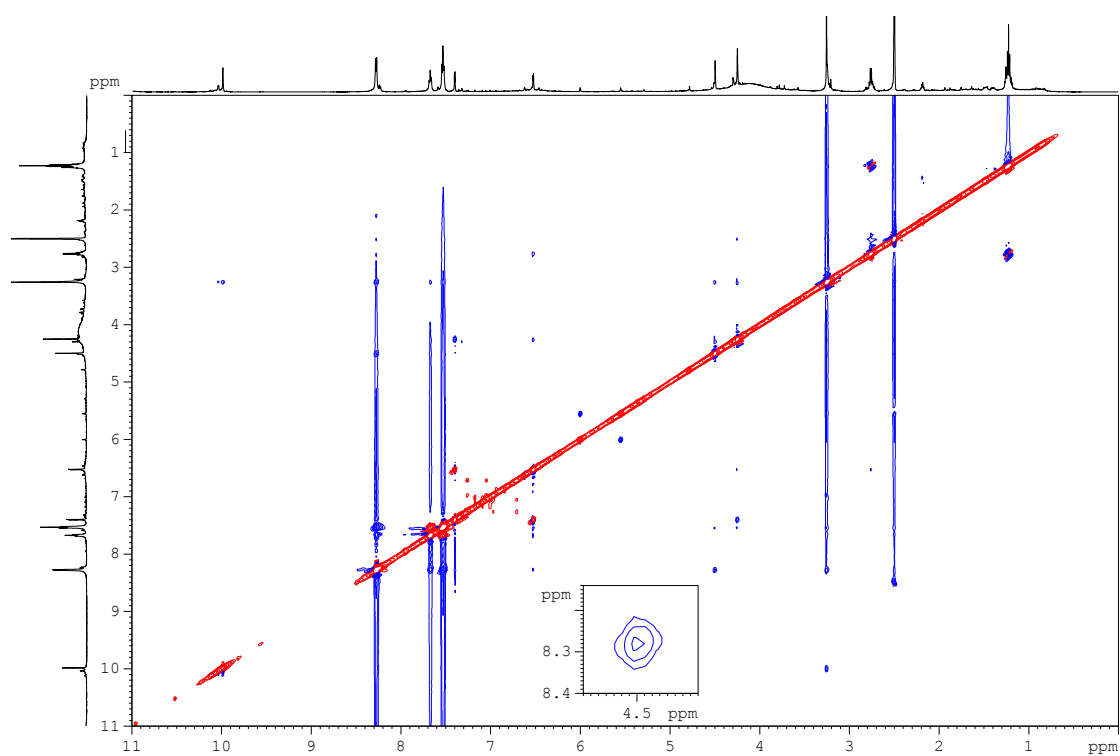


Figure S14. ROESY spectrum (600 MHz, DMSO- d_6) of **2**

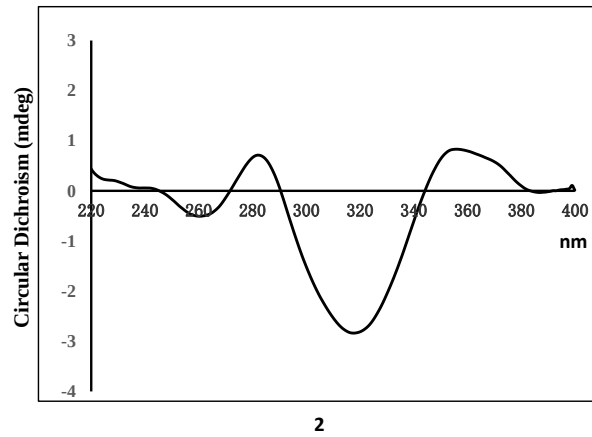


Figure S15. CD spectrum of 2

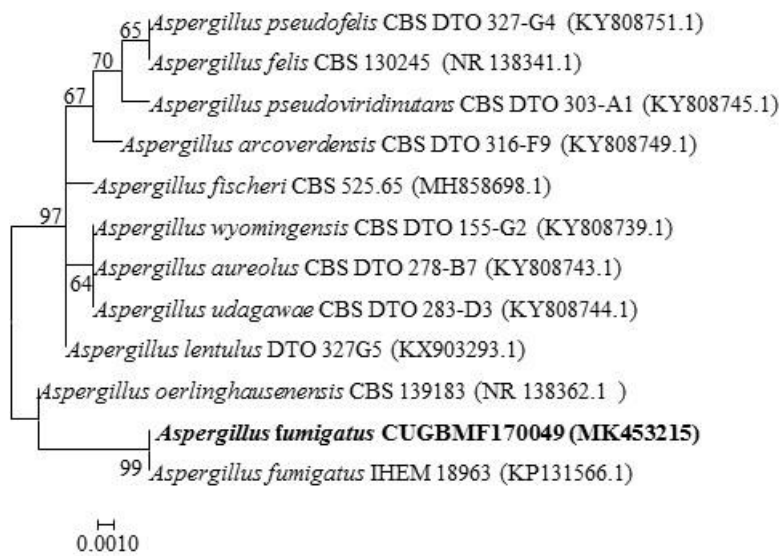


Figure S16. Neighbor-joining phylogenetic tree of strain CUGBMF170049

Numbers at nodes indicate levels of bootstrap support (%) based on a neighbor joining analysis of 1,000 resampled datasets; only values >50 % are given. NCBI accession numbers are given in parentheses. Bar 0.001 nucleotide substitutions per site