SUPPLEMENTARY MATERIAL

Hypocrol A, a new tyrosol derivative from a sponge-derived strain of the fungus Hypocrea Koningii

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Abstract: In continuation of our search for new antibacterial and antioxidant metabolites from sponge-derived fungi, one new tyrosol derivative, hypocrol A (1), together with four known congeners, trichodenol B (2), 4-hydroxyphenethyl acetate (3), 4-hydroxyphenethyl tetradecanoate (4), and 1-oleyltyrosol (5) were isolated from the strain Hypocrea Koningii PF04. Their structures were unequivocally elucidated by spectroscopic methods and comparison with literature data. All the compounds displayed weak antibacterial activities against Staphylococcus aureus, methicillin-resistant Staphylococcus aureus, and Escherichia coli, whereas compounds 1 and 2 exhibited a moderate antioxidant efficacy in the DPPH (2,2-diphenyl-1-picrylhydrazyl) radical scavenging assay with IC$_{50}$ values of 48.5 and 97.4 μg/mL, respectively.

Keywords: Tyrosol derivative; Hypocrea Koningii; antibacterial activity; antioxidant

Figure legends

Figure S1. Key $^1$H-$^1$H COSY, HMBC correlations of 1
Figure S2. HRESIMS of 1
Figure S3.UV of 1 in MeOH
Figure S4. IR of 1
Figure S5. $^1$H NMR (600 MHz, DMSO-$d_6$) of 1
Figure S6. $^{13}$C NMR (150 MHz, DMSO-$d_6$) of 1
Figure S7. COSY (600 MHz, DMSO-$d_6$) of 1
Figure S8. HSQC (600 MHz, DMSO-$d_6$) of 1
Figure S9. HMBC (600 MHz, DMSO-$d_6$) of 1
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