SUPPLEMENTARY MATERIAL

New streptophenazines from marine *Streptomyces* sp. 182SMLY

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Six phenazines including three new ones were isolated from the culture of marine actinomycete *Streptomyces* sp. 182SMLY. Based on the analyses of NMR, HRESIMS, optical rotation value, and CD data, the structures of these isolated compounds were determined as new phenazines of (–)-streptophenazines M-O and known phenazines of 1-carbomethoxyphenazine and (–)-streptophenazines A and B. (–)-Streptophenazine B showed activity in suppressing the growth of methicillin-resistant *Staphylococcus aureus* with MIC value of 4.2 µg/mL.

Keywords: *Streptomyces* sp. 182SMLY; (–)-Streptophenazines M-O; (–)-Streptophenazine B; Antibacterial activity

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Figure S1. Structures of streptophenazines A, B, E, G and (□)-streptophenazines A, B, E, G

Figure S2. ^1H NMR spectrum of (□)-streptophenazine M (1)

Figure S3. ^1H NMR spectrum of (□)-streptophenazine M (**1**)

Figure S4. ^1H NMR spectrum of (□)-streptophenazine M (**1**)

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Figure S₁₀. HSQC spectrum of (□)-streptophenazine M (**1**)

Figure S₁₁. HSQC spectrum of (□)-streptophenazine M (**1**)

Figure S₁₂. HSQC spectrum of (□)-streptophenazine M (**1**)

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Figure S14. ^1H - ^1H COSY spectrum of (R)-streptophenazine M (**1**)

Figure S15. ^1H - ^1H COSY spectrum of (R)-streptophenazine M (**1**)

Figure S16. HRESIMS of (R)-streptophenazine M (**1**)

Figure S17. CD spectrum of (S)-streptophenazine M (**1**)

Figure S18. UV spectrum of (S)-streptophenazine M (**1**)

Figure S19. ^1H NMR spectrum of (□)-streptophenazine N (**3**)

Figure S20. ^1H NMR spectrum of (□)-streptophenazine N (**3**)

Figure S21. ^1H NMR spectrum of (□)-streptophenazine N (**3**)

Figure S22. HRESIMS of (□)-streptophenazine N (**3**)

Figure S23. CD spectrum of (R)-streptophenazine N (**3**)

Figure S24. UV spectrum of (R)-streptophenazine N (**3**)

Figure S25. ^1H NMR spectrum of (R)-streptophenazine O (**5**)

Figure S26. ^1H NMR spectrum of (R)-streptophenazine O (**5**)

Figure S27. ^1H NMR spectrum of (R)-streptophenazine O (**5**)

Figure S28. HRESIMS of (R)-streptophenazine O (**5**)

Figure S29. CD Spectrum of (□)-Streptophenazine N (**4**)

Figure S30. UV spectrum of (□)-streptophenazine O (**5**)