Supporting Information

Bonnevillamides, Linear Heptapeptides Isolated from a Great Salt Lake-Derived Streptomyces sp.

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Selective band center: 4.89 (ppm); width: 18.2 (Hz)
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![NMR spectrum image]
**Figure S16.** gHSQCAD spectrum of compound 2 in DMSO-$d_6$
**Figure S17.** gHMBCAD spectrum of compound 2 in DMSO-$d_6$
Figure S18. TOCSY spectrum of compound 2 in DMSO-$d_6$
Figure S19. COSY spectrum of compound 2 in DMSO-$d_6$. 

![COSY spectrum of compound 2 in DMSO-$d_6$.](image_url)
**Figure S20.** ROESY spectrum of compound 2 in DMSO-\textit{d}_6
Figure S21. NOESY spectrum of compound 2 in DMSO-\textit{d}_6.
**Figure S22.** 1D NOE spectrum of compound 2 at 3.92 ppm DMSO-$d_6$.

Selective band center: 3.92 (ppm); width: 14.5 (Hz)
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**Figure S3**. Advanced Marfey's analysis of acid hydrolysate of 1

A) D,L-FDLA-Threonine derivatives in 1: 414 [M+H]+
B) D,L-FDLA-Leucine derivatives in 1: 426 [M+H]^+
C) D,L-FDLA-HMP derivatives in 1: 440 [M+H]$^+$
D,L-FDLA-Valine derivatives in 1: 434 [M+Na]⁺
Figure S34. Advanced Marfey's analysis of acid hydrolysate of 2

A) D,L-FDLA-Threonine derivatives in 2: 414 [M+H]^+
B) D,L-FDLA-Leucine derivatives in 2: 426 [M+H]⁺
C) D,L-FDLA-HMP derivatives in 2: 440 [M+H]^+
D,L-FDLA-Valine derivatives in 2: 434 [M+Na]^+
D,L-FDLA-Proline derivatives in 2: 410 [M+H]^+
F)D,L-FDLA-Proline standard: 410 [M+H]⁺
Figure S35. Advanced Marfey's analysis of acid hydrolysate of 3

A) D,L-FDLA-Throne derivatives in 3: 414 [M+H]^+
B) D,L-FDLA-Leucine derivatives in 3: 426 [M+H]⁺
3. derivative in D,L-FDLA-HMP derivatives in 3: \([M+H]^+\)
D,L-FDLA-Valine derivatives in 3: 434 [M+Na]^+
E) D,L-FDLA-Proline derivatives in 3: 410 [M+H]^+
Table S1: Corresponding Retention times between D/L-FDLA derivatives of amino acids

<table>
<thead>
<tr>
<th>Amino acids</th>
<th>Structure of FDLA-derivatives</th>
<th>m/z [M+H]+</th>
<th>Retention time of D/L-FDLA derivatives (min)</th>
<th>Retention time of L-FDLA derivatives (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-Threonine</td>
<td></td>
<td>414</td>
<td>22.03, 24.57</td>
<td>22.08</td>
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<tr>
<td>L-Leucine</td>
<td></td>
<td>426</td>
<td>27.94, 32.03</td>
<td>28.03</td>
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<tr>
<td></td>
<td></td>
<td>440.1</td>
<td>21.61, 22.22</td>
<td>21.59</td>
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<tr>
<td>L-Valine</td>
<td></td>
<td>412, 434[M+Na]+</td>
<td>26.69, 29.95</td>
<td>26.69</td>
</tr>
<tr>
<td>L-Proline</td>
<td></td>
<td>410</td>
<td>24.41, 26.00</td>
<td>24.35</td>
</tr>
<tr>
<td>L-Proline (standard)</td>
<td></td>
<td>410</td>
<td>24.43, 26.05</td>
<td>24.39</td>
</tr>
</tbody>
</table>

Analysis condition:

HPLC-MS method: the analysis of the L- and D-FDLA derivatives was carried out by an Agilent Eclipse XDB-C18 column (150×4.6 mm, 5 μm) employing a linear gradient of from 5% to 100% CH₃CN in 0.1%formic acid at 0.5 mL/min over 45 min.