**Supporting Information**

***Rec. Nat. Prod*. 20:2 (2026):e25103694**

# A new glutarimide compound from *Streptomyces* sp. JCM 4793

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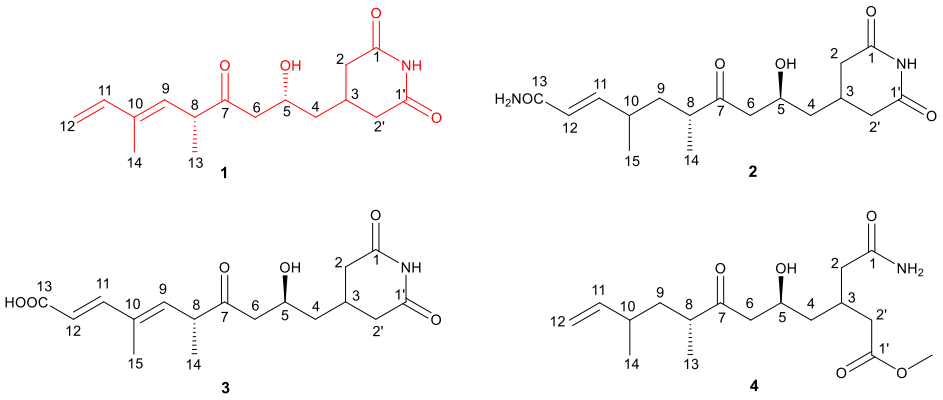

**Figure S1:** The structures of compound **1** and structurally similar compounds

**Table S1:** The NMR data of compound **1**, **2**, **3** and **4** ($\delta$ in ppm, $J$ in Hz)

| | **1** | | **2** | | **3** | | **4** | |
|---|---|---|---|---|---|---|---|---|
| Position | $\delta_C$ | $\delta_H$ ($J$ in Hz) | $\delta_C$ | $\delta_H$ ($J$ in Hz) | $\delta_C$ | $\delta_H$ ($J$ in Hz) | $\delta_C$ | $\delta_H$ ($J$ in Hz) |
| 1 | 171.3 | - | 175.5 | - | 172.7 | - | 172.6 | - |
| 2 | 32.7 | 1.81(m) | 39.2 | 2.38(m);2.68 (m) | 38.4 | 2.76(m);2.32 (m) | 37.0 | 2.27(m);2.70 (m) |
| 3 | 26.2 | 2.56(m);2.32 (m) | 28.7 | 2.38(m) | 27.1 | 2.48(m) | 27.0 | 2.45(m) |
| 4 | 40.8 | 2.32 (m) | 42.9 | 1.51(m);1.56 (m) | 40.9 | 1.34(ddd,14.0,8.4,2.0); 1.61(ddd,14.0,10.4,4.8) | 40.8 | 1.32(ddd,14.0,8.7,3.0); 1.57(ddd,14.0,10.3,5.0) |
| 5 | 73.1 | 4.86(m, 6.6) | 66.8 | 4.20(m) | 64.8 | 4.12(m) | 64.6 | 4.10(m) |
| 6 | 45.6 | 3.01(dd,17.5,6.0); 2.63(ddd,17.7, | 46.3 | 2.81(dd,16.2,4.6); 2.98(dd,16.2,7 | 47.3 | 2.57(dd,18.0,3.2); 2.64(dd,18.0,8.2) | 47.5 | 2.53(dd,17.9,3.3); 2.61(dd,17.9,8. |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 10.8,6.4) | | .6) | | | | 4) |
| 7 | 207.9 | - | 203.2 | - | 212.5 | - | 211.9 | - |
| 8 | 47.1 | 3.49(dq, 9.7, 6.8) | 137.2 | - | 46.9 | 3.44(dq, 9.6, 6.8) | 46.8 | 3.48(dq, 9.7, 6.8) |
| 9 | 130.2 | 5.33(d, 10.1) | 144.7 | - | 127.9 | 5.17(dm, 9.6) | 130.1 | 5.31(d, 9.7) |
| 10 | 137 | - | 133.5 | - | 135.7 | - | 136.5 | - |
| 11 | 140.6 | 6.35(m) | 140.4 | - | 132.7 | 5.81(dm, 11.7) | 140.4 | 6.33(dd, 17.4,10.7) |
| 12 | 113.3 | 5.20(d, 17.4); 5.05(d, 10.8) | 65.2 | - | 125.3 | 5.50(dq, 11.7, 7.2) | 112.9 | 5.18(d, 17.4); 5.03(d, 10.7) |
| 1’ | 172.8 | - | 175.6 | - | 172.6 | - | 172.7 C) | - |
| 2’ | 35.1 | 2.63(ddd,17.7, 10.8, 6.4); 2.32 (m) | 38.0 | 2.36(m);2.75 (m) | 37.1 | 2.76(m);2.32 (m) | 38.2 | 2.27(m);2.70 (m) |
| 8-$CH_3$ | 16.2 | 1.16(d, 6.9) | 13.2 | 1.95(s) | 14.7 | 1.18(d, 6.8) | 16.6 | 1.14(d, 6.7) |
| 10-$CH_3$ | 12.4 | 1.81(m) | 16.7 | 1.92(s) | 16.2 | 1.85(dd,1.5,0.7) | 12.5 | 1.81(s) |
| 12-$CH_3$ | - | - | 23.4 | 1.28(d,6.3) | 17.3 | 1.78(dd,7.2,1.5) | - | - |



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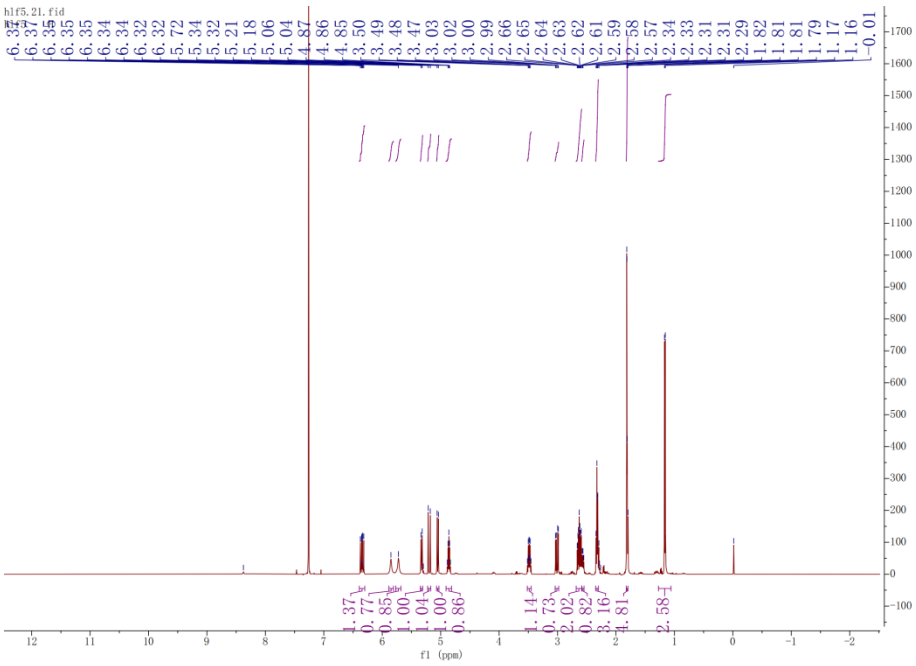


**Figure S2:** $^{1}$H-NMR (500 MHz, $CDCl_3$) spectrum of **1**

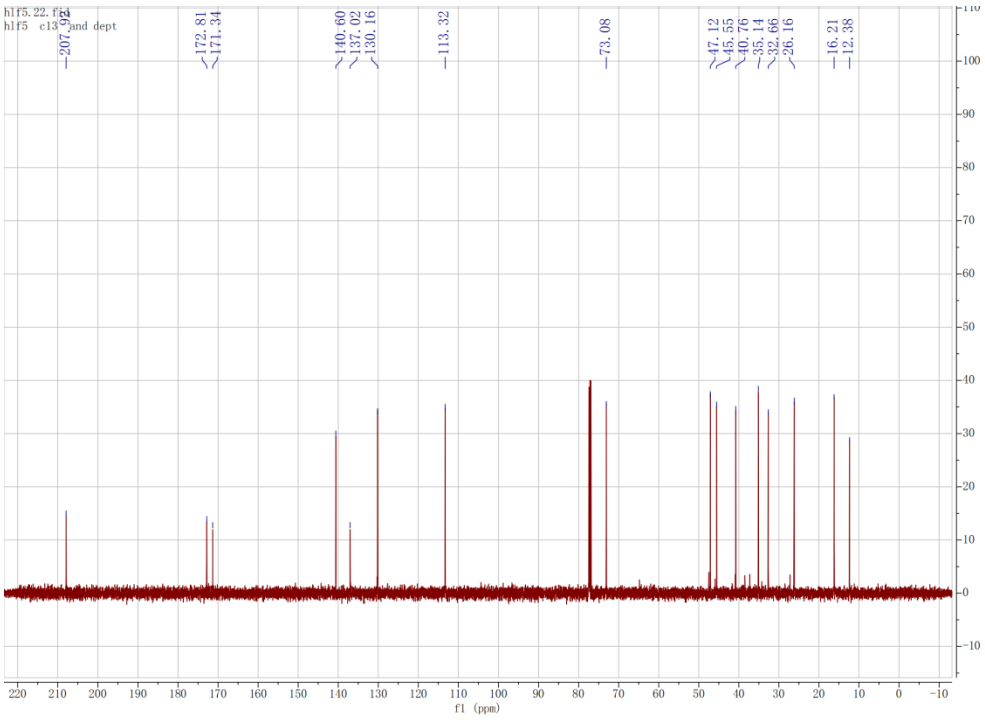


**Figure S3:** $^{13}$C-NMR (125 MHz, $CDCl_3$) spectrum of **1**



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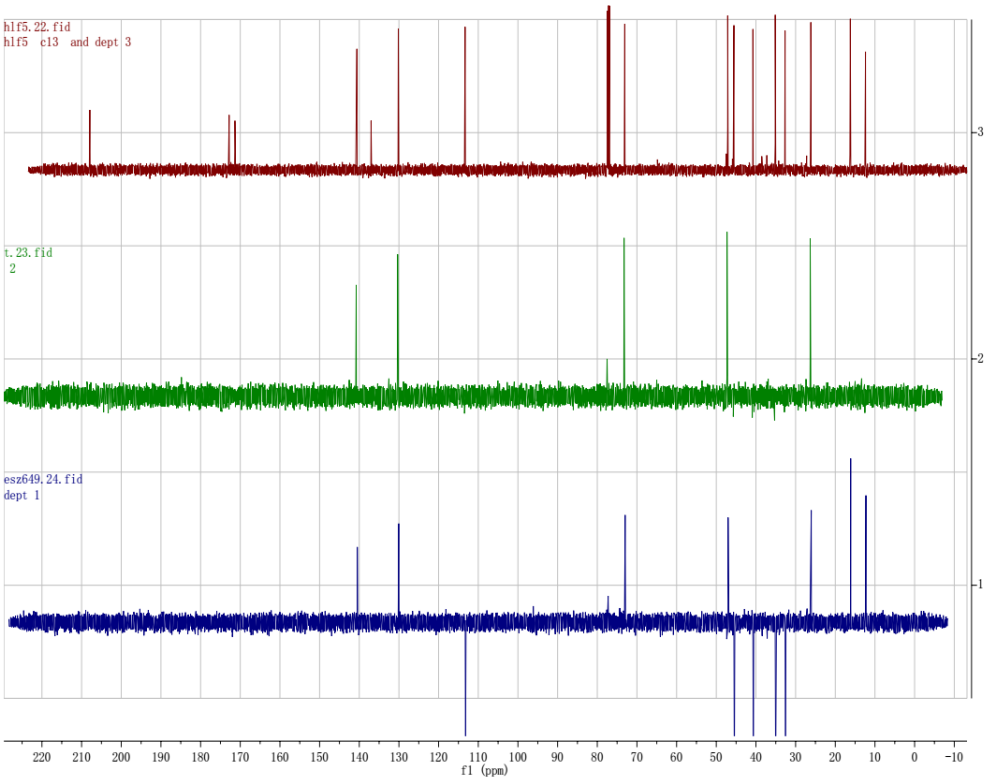


**Figure S4:** DEPT135 (125 MHz, $CDCl_3$) spectrum of **1**



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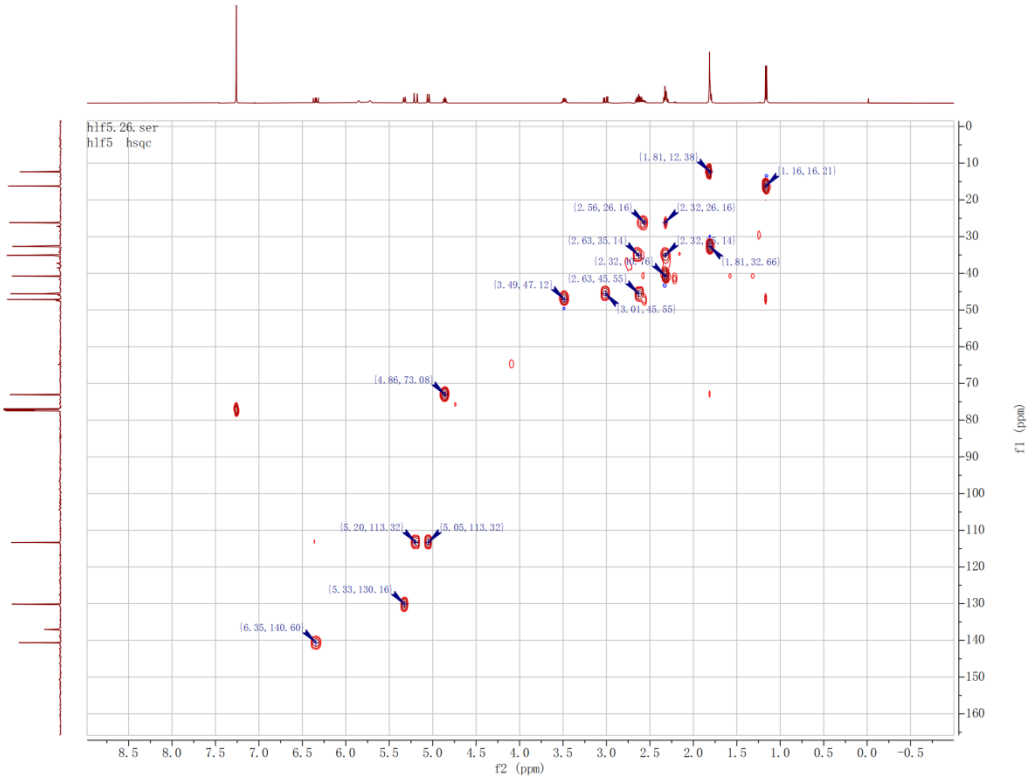


**Figure S5:** HSQC spectrum of **1**



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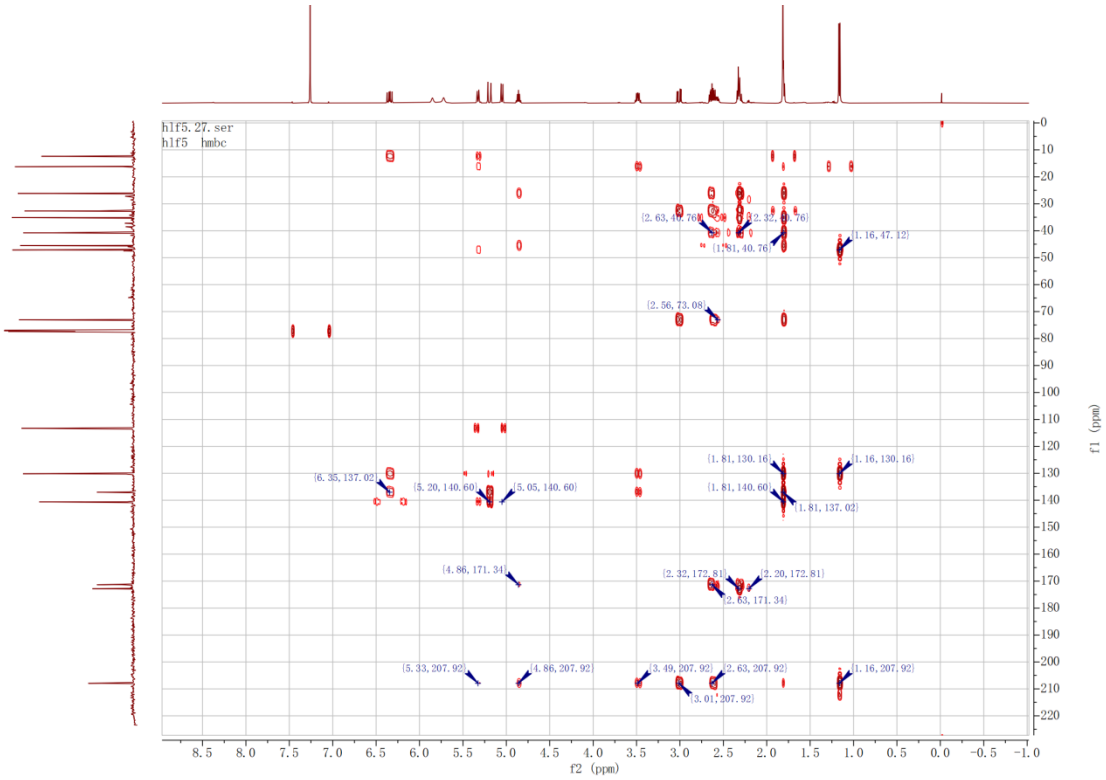


**Figure S6:** HMBC spectrum of **1**



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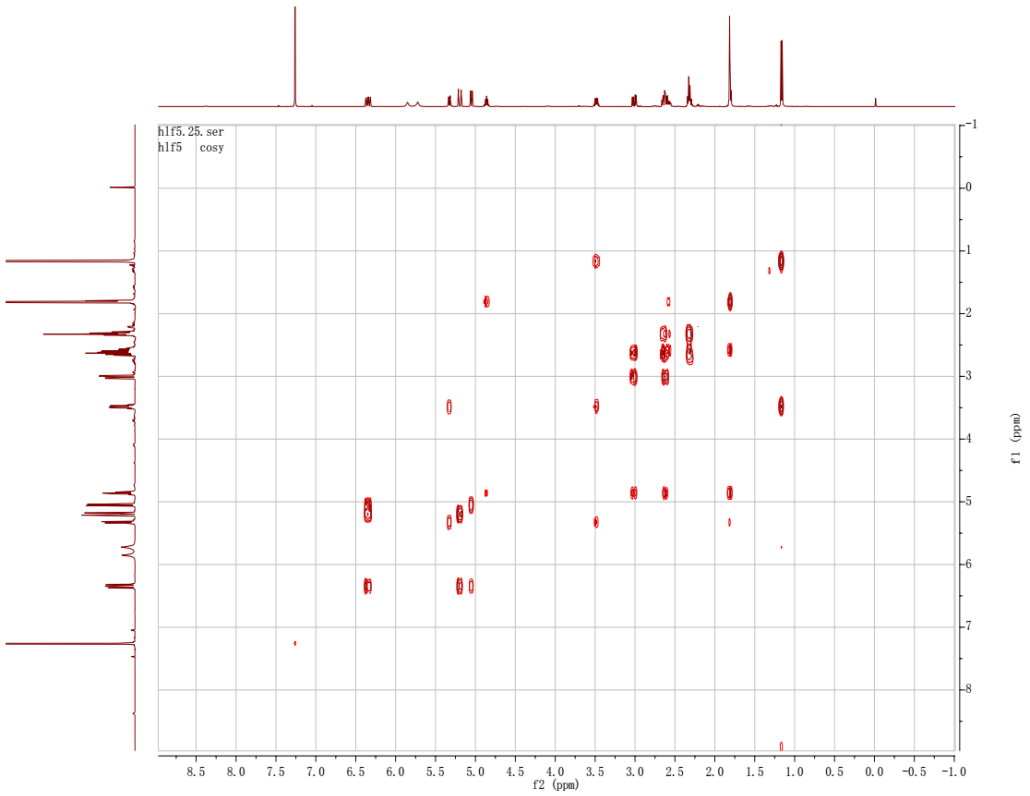


**Figure S7:** $^{1}$H-$^{1}$H COSY spectrum of **1**



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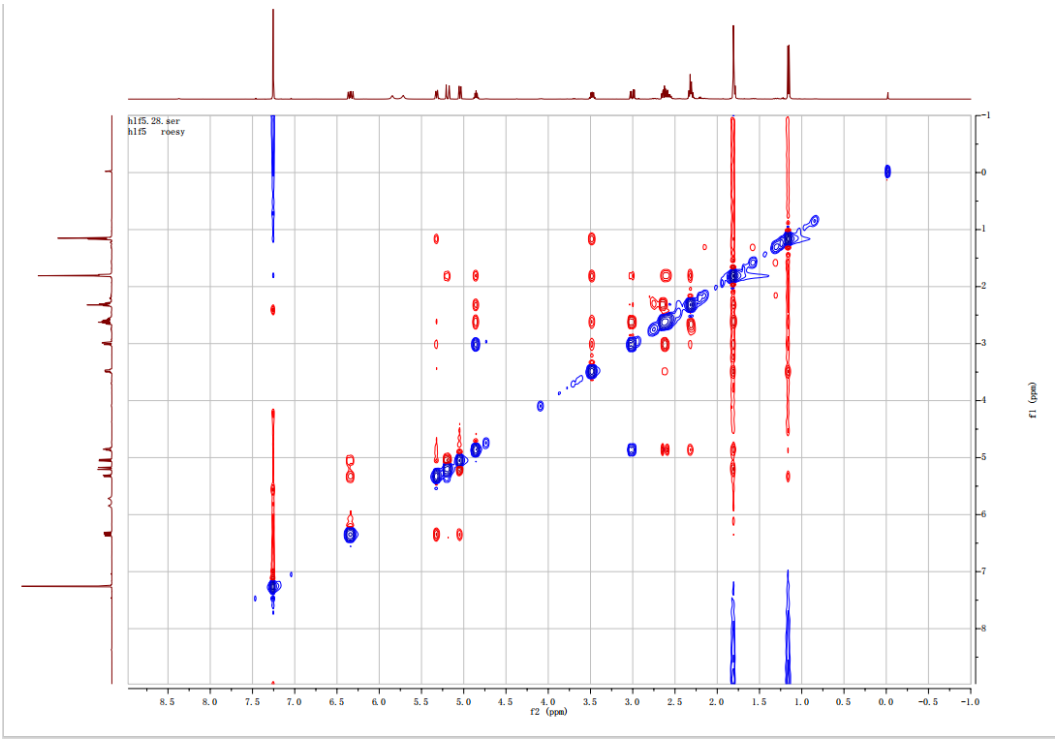


**Figure S8:** ROESY spectrum of **1**

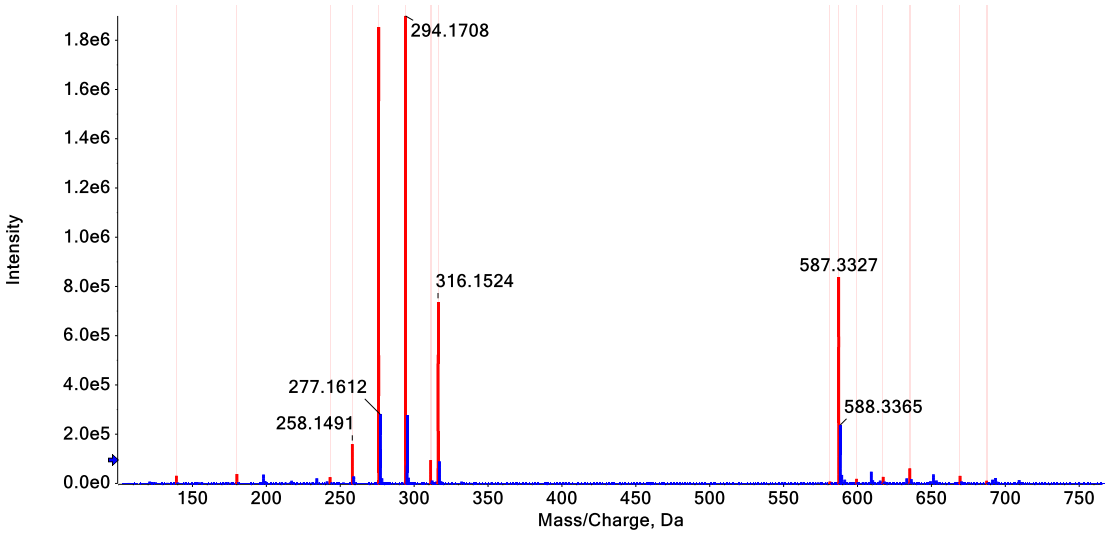


**Figure S9:** ESI HRMS spectrum of **1**



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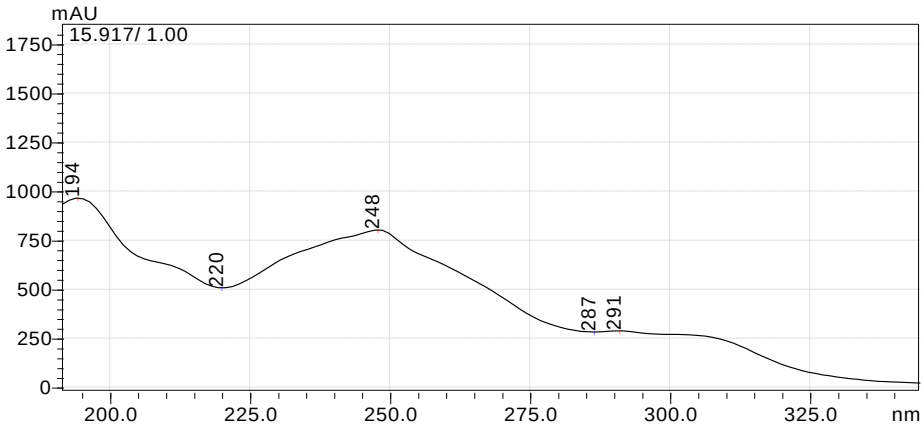


**Figure S10:** UV spectrum of compound **1**



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