

**15 $\beta$ -senecioyl-oxy-ent-kaur-16-en-19-oic acid, a diterpene isolated from  
*Baccharis lateralis*, as promising oral compound for the treatment of  
schistosomiasis.**

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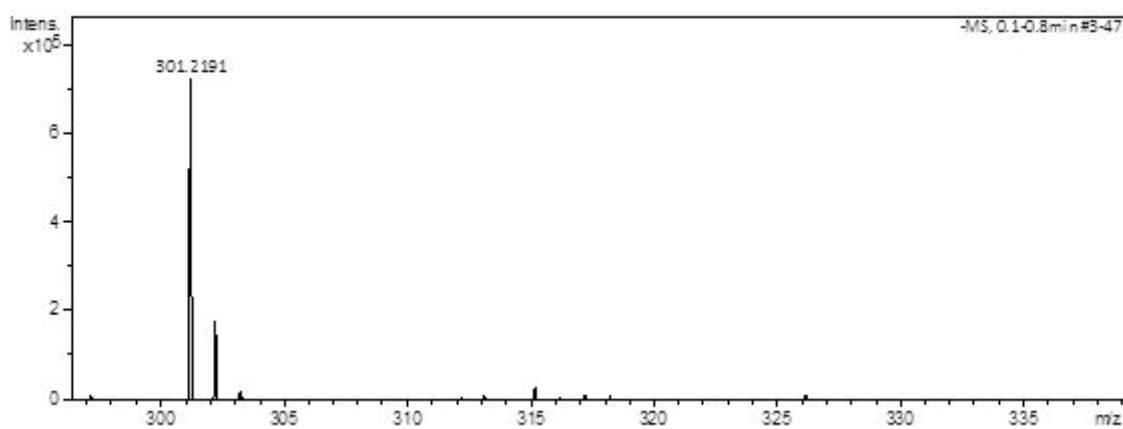
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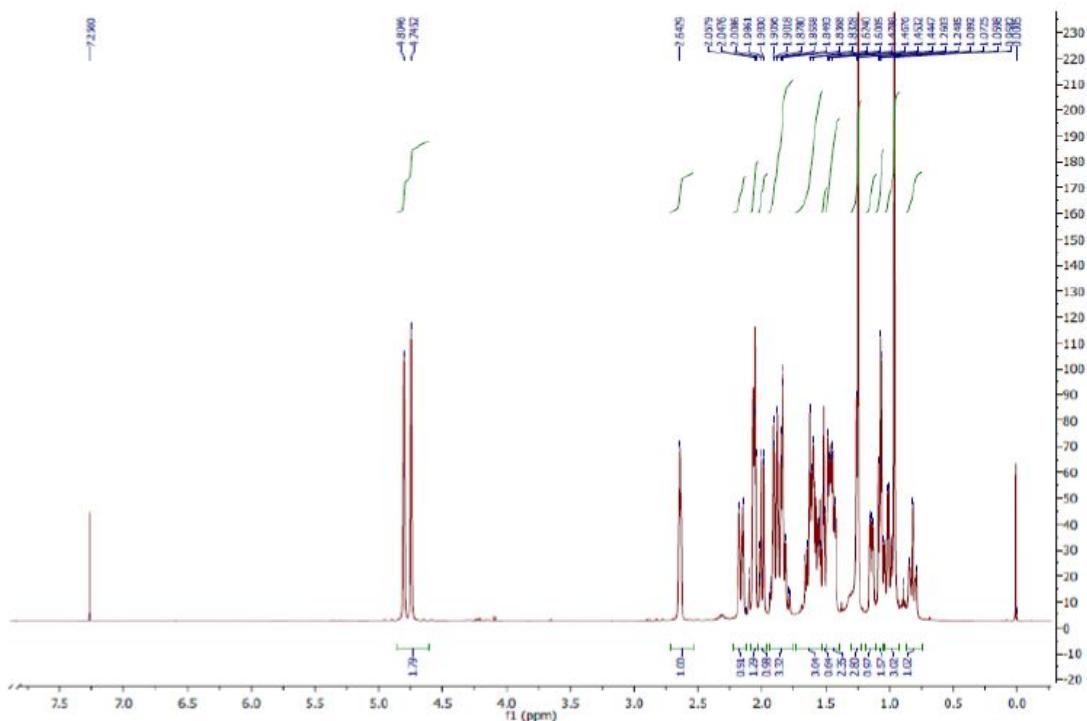
## SUPPORTING INFORMATION

**Ent-kaur-16-en-19-oic acid (1).** White amorphous solid.  $[\alpha]_D^{25} = -65.5$  (*c* 0.3, CHCl<sub>3</sub>); <sup>1</sup>H NMR (CDCl<sub>3</sub>, 500 MHz) δ<sub>H</sub> 4.73 (s, H-17b), 4.67 (s, H-17a), 2.64 (br s, H-13), 2.05 (br s, H-15), 1.24 (s, H-18), 0.95 (s, H-20); <sup>13</sup>C NMR (CDCl<sub>3</sub>, 125 MHz) δ<sub>C</sub> 184.4 (C-19), 155.9 (C-16), 103.0 (C-17), 57.0 (C-5), 55.1 (C-9), 49.0 (C-15), 44.2 (C-8), 43.7 (C-13), 43.7 (C-4), 41.3 (C-7), 40.7 (C-1), 39.7 (C-10 and C-14), 37.7 (C-3), 33.1 (C-12), 29.0 (C-18), 21.8 (C-6), 19.1 (C-2), 18.4 (C-11), 15.6 (C-20); ESI-HRMS *m/z* 301.2191 [M - H]<sup>-</sup> (calculated for C<sub>20</sub>H<sub>29</sub>O<sub>2</sub>, 301.2167). Elemental analysis - found C, 79.35; H, 9.94%. C<sub>20</sub>H<sub>30</sub>O<sub>2</sub> requires C, 79.40; H, 10.00%.

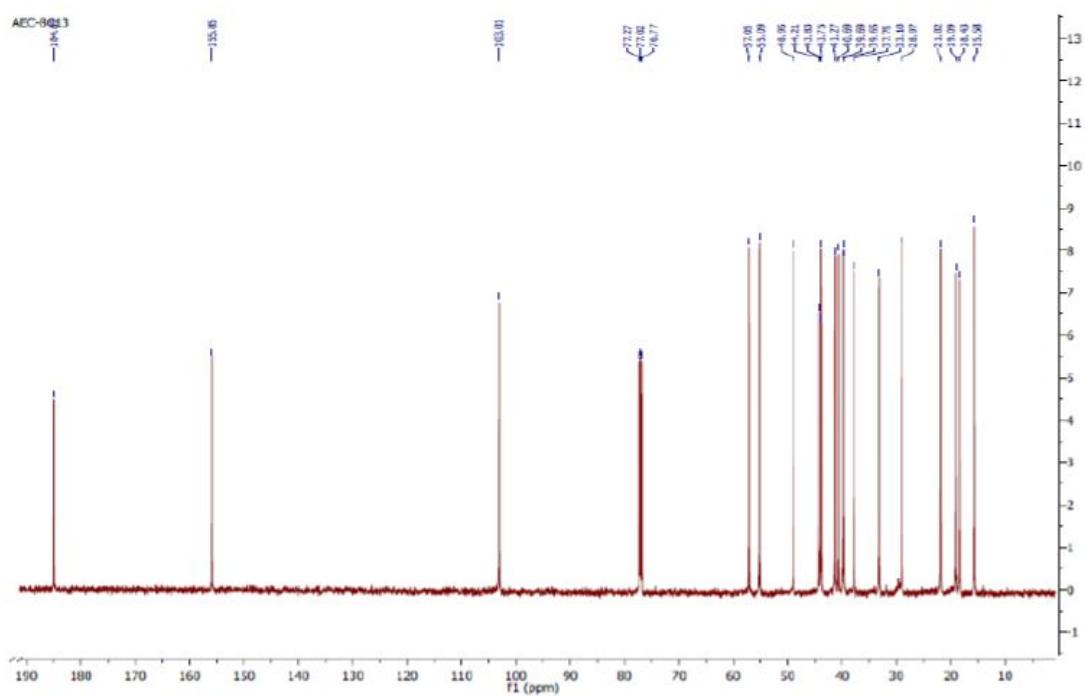
**15β-Senecioyl-oxy-ent-kaur-16-en-19-oic acid (2).** White amorphous solid.  $[\alpha]_D^{25} = -62.3$  (*c* 1.5, CHCl<sub>3</sub>); <sup>1</sup>H NMR (CDCl<sub>3</sub>, 500 MHz) δ<sub>H</sub> 5.70 (s, H-2'), 5.31 (s, H-15), 5.09 (br s, H-17), 2.78 (br s, H-13), 2.19 (s, H-5'), 1.89 (s, H-4'), 1.12 (br s, H-18), 0.83 (s, H-20); <sup>13</sup>C NMR (CDCl<sub>3</sub>, 125 MHz) δ<sub>C</sub> 183.6 (C-19), 166.7 (C-1'), 156.9 (C-16), 155.7 (C-3'), 116.3 (C-2'), 109.7 (C-17), 81.9 (C-15), 56.6 (C-5), 53.0 (C-9), 47.7 (C-8), 43.6 (C-4), 42.6 (C-13), 40.5 (C-1), 39.8 (C-10), 37.7 (C-3), 37.3 (C-7), 34.8 (C-14), 32.6 (C-12), 28.8 (C-18), 27.5 (C-4'), 20.8 (C-6), 20.3 (C-5'), 19.4 (C-11), 19.0 (C-2), 15.8 (C-20); ESI-HRMS *m/z* 399.2541 [M - H]<sup>-</sup> and 799.5138 [2M - H]<sup>-</sup> (calculated for C<sub>25</sub>H<sub>35</sub>O<sub>4</sub> and C<sub>50</sub>H<sub>71</sub>O<sub>8</sub>, 399.2535 and 799.5149, respectively). Elemental analysis - found C, 74.91; H, 9.11%. C<sub>25</sub>H<sub>36</sub>O<sub>4</sub> requires C, 74.96; H, 9.06%.



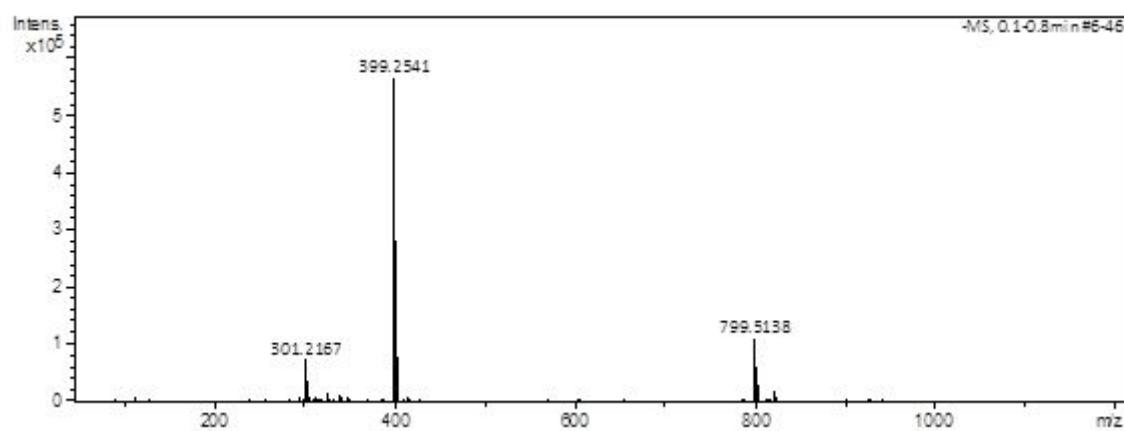
**Figure S1.** ESI-HRMS spectrum (negative mode) of compound 1.



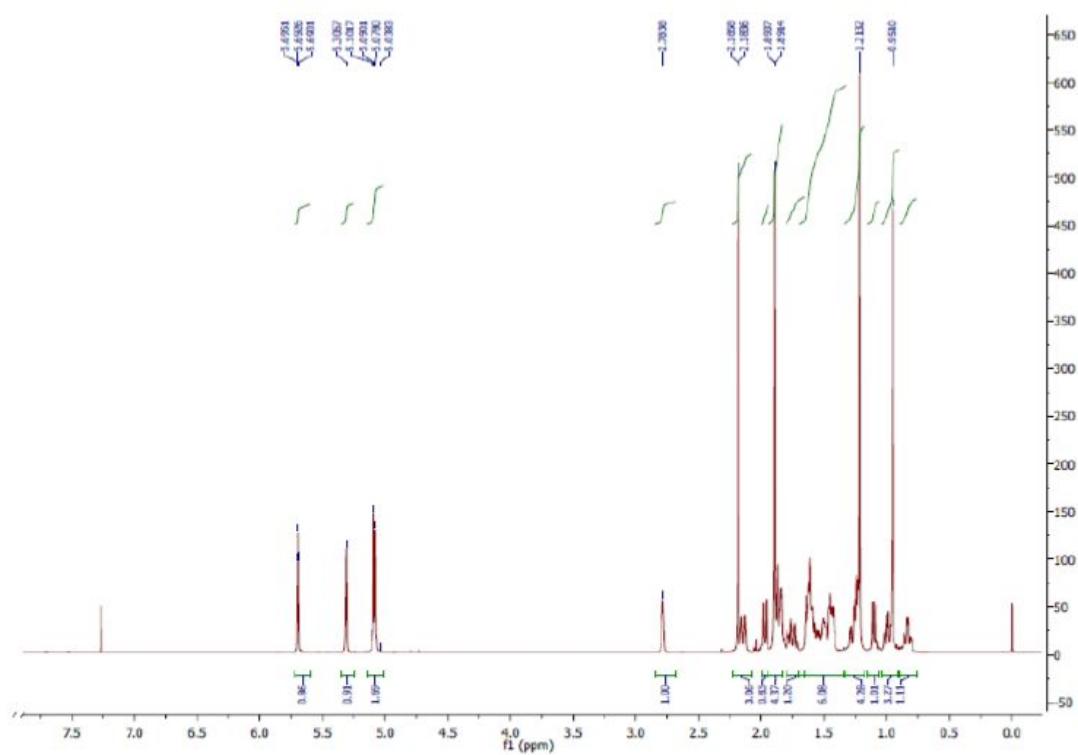
**Figure S2.**  $^1\text{H}$  NMR spectrum (500 MHz,  $\text{CDCl}_3$ ) of compound 1.



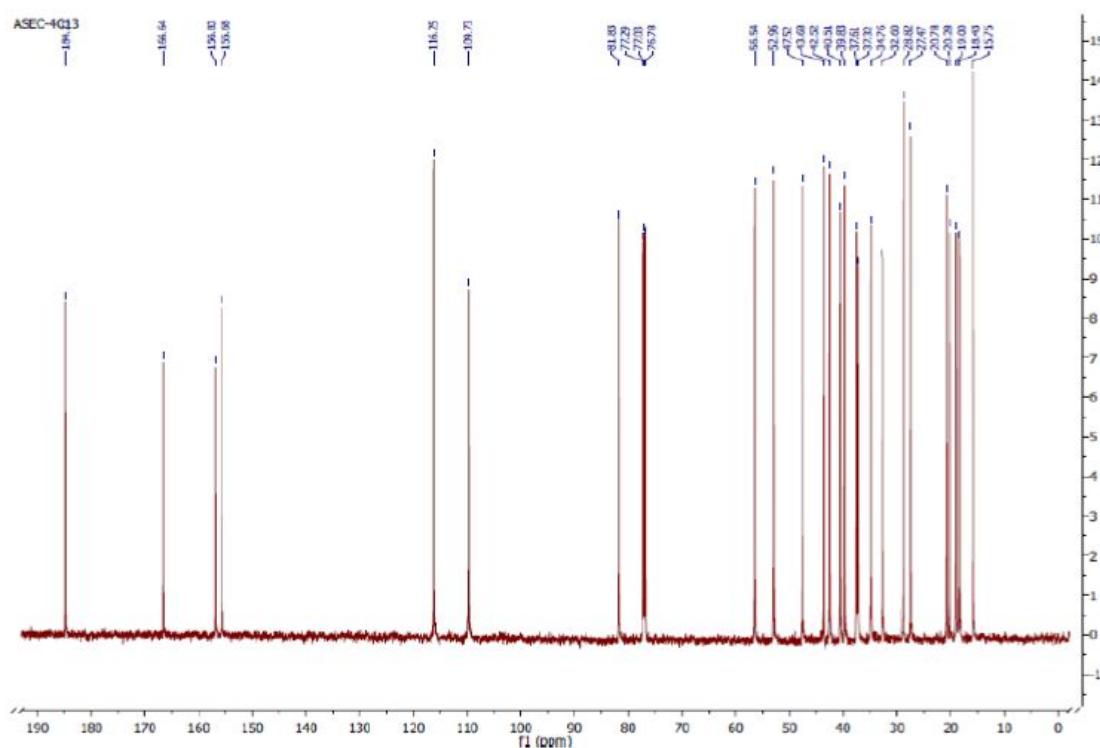
**Figure S3.** <sup>13</sup>C NMR spectrum (125 MHz, CDCl<sub>3</sub>) of compound **1**.



**Figure S4.** ESI-HRMS spectrum (negative mode) of compound **2**.



**Figure S5.**  $^1\text{H}$  NMR spectrum (500 MHz,  $\text{CDCl}_3$ ) of compound 2.



**Figure S6.**  $^{13}\text{C}$  NMR spectrum (125 MHz,  $\text{CDCl}_3$ ) of compound 2.