Kauralexin A3 $^{1}H$ (600 MHz), $^{13}C$ (151 MHz), HMBC and NOESY NMR spectroscopic data for diterpene acid aldehydes in $CDCl_3$. Chemical shifts referenced to $\delta(CHCl_3)$ = 7.26 ppm for $^{1}H$ and $\delta(CHCl_3)$ = 77.36 ppm for $^{13}C$. Coupling constants are given in Hertz [Hz].

| Position | $\delta$ $^{13}C$ [ppm] | $\delta$ $^{1}H$ [ppm] | J coupling constants [Hz] | HMBC correlations (C. No) | NOESY |
|---|---|---|---|---|---|
| 1 | 40.1 | 2H 1.83α* and 0.80β* | 0.80, 1H, dt, J = 13.3, 4.0; 1.83, 1H, "dt", J = 13.1, 3 | Hα - C3 (weak), C5 (weak) | Hβ - 0.99, 1.05, 1.15 |
| 2 | 18.6 | 2H 1.62α* and 1.45β* | 1.45, 1H, J = 14.5 | | |
| 3 | 34.4 | 2H 2.14α* and 0.99β*$^{\#}$ | 2.14 1H, "br d" J = 13.5; 0.99 1H, m | Hα - C1,C5; Hβ - C19 | |
| 4 | 48.7 | - | - | - | - |
| 5 | 56.8 | 1H 1.15* | dd J=12.7, 1.9 | C1, C4, C18,C19, C6, C7, C20, C9 | 0.99, 1.05, 1.53 |
| 6 | 20.5 | 2H 1.90β and 1.68α* | 1.90 1H, ddt J = 13.1, 2.4, 3.4 | | H β - 0.99, 9.73 (weak); Hα-9.73 |
| 7 | 41.1 | 2H 1.53β and 1.63α | | | |
| 8 | 45.3 | - | - | - | - |
| 9 | 54.7 | 1H 1.05* | br d J = 6.6 | C20, C11, C10, C8, C12, C14, C16 (weak) | 0.80, 1.15, 1.68, 1.53 |
| 10 | 39.4 | - | - | - | - |
| 11 | 18.8 | 2H 1.53α* and 1.65β | | | Hβ - 0.85 |
| 12 | 31.24 | 2H 1.53* | | | 2.67 |
| 13 | 41.5 | 1H 2.54* | m | | 1.88, 1.53, 1.24 |
| 14 | 38.4 | 2H 1.24* and 1.88* | 1.24, 1H, m 1.88, 1H, d, J = 12 | H(1.24) - C8, C13; H(1.88) - C12 | H (1.88) - 0.85, 2.54 |
| 15 | 44.6 | 2H 1.68β* and 1.74α* | 1.74,1H, dd, J = 5.9, 13.5 | Hβ - C9, C14, C17; Hα - C9, C17 | Hβ -1.05 |
| 16 | 45.2 | 1H 2.67* | dd J = 5.9, 9.1 | C12, C13, C14, C17 | 1.53 |
| 17 H of COOH | 181.9 | 10.1 | br s | | |
| 18 | 24.5 | 3H 0.99*$^{\#}$ | s | C3, C4$^{\#}$, C19$^{\#}$, C5$^{\#}$ | 1.15, 1.90 |
| 19 | 206.2 | 1H 9.73* | d J = 1.3 Hz | C3, C4 | 0.85, 0.99, 1.68, 1.90 (weak), 2.14 (weak) |
| 20 | 16.4 | 3H 0.85* | s | C5, C10, C9, C1 and/or C10 | 9.73, 1.68, 1.53, 1.65, 1.88, 1.62 |

*Distinct proton chemical shifts from $^{1}H$ NMR 1D or 2D (COSY). The rest of the $^{1}H$ chemical shifts were deduced from HSQC. $^{\#}$Hβ at C3 and/or H at C18 have HMBC to C4, C5 and C19.