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Title: Oppositines A and B, Sesquiterpene Pyridine Alkaloids from a Sri Lankan *Pleurostylia opposita*

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S2 ¹H NMR Spectrum for Oppositine A (1) in CDCl₃



S3 ¹³C NMR Spectrum for Oppositine A (1) in $CDCI_3$



S4 ¹H NMR Spectrum for Oppositine B (2) in CDCl₃



S5 ¹³C NMR Spectrum for Oppositine B (**2**) in $CDCI_3$



| | | | | Oppositine B (2) | | | |
|----------|---------------------|--|--------------------------|------------------|---------------------|----------------|---|
| position | δ_{C} | $\delta_{\rm H}$ mult (<i>J</i> , Hz) | HMBC (H \rightarrow C) | COSY | ROESY | δ _C | $\delta_{\rm H}$ mult (<i>J</i> in Hz) |
| 1 | 73.5 | 5.88, d (4.1) | 9, 10, 15, 16 | 2 | 2, 9, 12 | 74.0 | 6.00, d (4.0) |
| 2 | 70.0 ^a | 5.22, dd (4.1, 2.4) | 3, 4, 10, 21 | 1, 3 | 1, 3, 22 | 70.4 | 5.33, br d (4.0) |
| 3 | 75.7 | 5.01, d (2.4) | 1, 2/4, 5, 14, 12' | 2 | 2, 14 | 74.9 | 4.83, br s |
| 4 | 70.0^{a} | | | | | 36.9 | 2.72, q (7.9) |
| 5 | 94.0 | | | | | 90.7 | |
| 6 | 73.7 | 7.00, br s | 5, 7, 8, 10, 11, 23 | 7 | 7, 14, 15a | 74.2 | 6.65, br s |
| 7 | 50.8 | 2.32, d (4.1) | 5, 6, 8, 9 | 6, 8 | 6, 8, 12, 13b | 50.2 | 2.41, d (3.8) |
| 8 | 68.9 | 5.51, dd (5.8, 4.1) | 6, 9, 10, 25 | 7, 9 | 7, 9, 12 | 69.0 | 5.53, dd (5.9, 3.8) |
| 9 | 71.4 | 5.38, d (5.8) | 9, 10, 15, 27 | 8 | 1, 8, 12 | 71.5 | 5.37, d (5.9) |
| 10 | 52.5 | | | | | 50.9 | |
| 11 | 85.0 | | | | | 82.9 | |
| 12 | 18.0 | 1.71, s | 7, 11, 13 | 13a | 7, 8, 9, 13b | 18.1 | 1.65, s |
| 13a | 69.8 | 5.96, d (11.9) | 11, 12, 13' | 12, 13b | 7, 13b, 24, OH-4 | 68.8 | 5.67, d (11.3) |
| 13b | | 3.59, d (11.9) | 11, 12, 13' | 13a | 7, 12, 13a, OH-4 | | 3.47, d (11.3) |
| 14 | 22.9 | 1.56, br d (1.4) | 3, 4, 5 | OH-4 | 3, 6, 9, 15a, OH-4 | 14.9 | 1.24, d (7.9) |
| 15a | 60.1 | 5.35, d (13.5) | 9, 10, 29 | 15b | 6, 14, 15b, 22 | 60.2 | 5.28, d (13.2) |
| 15b | | 4.63, d (13.5) | 5, 9, 10, 29 | 15a | 14, 15a, 18, 22, 28 | | 4.63, d (13.2) |
| 16 | 164.6 | | | | | 164.7 | |
| 17 | 129.1 | | | | | 129.3 | |
| 18 | 129.5 | 7.80, dd (7.9, 1.3) | 16, 17, 20 | 19, 20 | 15b, 19, 28 | 129.5 | 7.85, br d (7.7) |
| 19 | 128.5 | 7.38, t (7.9) | 18, 20 | 18, 20 | 18, 20 | 128.5 | 7.39, br t (7.7) |
| 20 | 133.5 | 7.52, tt (7.9, 1.3) | 18, 19 | 18, 19 | 19 | 133.4 | 7.53, br t (7.7) |
| 21 | 168.4 | | | | | 168.7 | |
| 22 | 20.9 | 2.13, s | 2, 21 | | | 20.9 | 2.09, s |
| 23 | 170.0^{a} | | | | | 169.7 | |
| 24 | 21.6 | 2.19, s | 6, 23 | | | 21.6 | 2.21, s |
| 25 | 170.0 ^a | | | | | 170.0 | |

| Table 1. | NMR | data for | Oppositines | A (1) | and B | (2)(500) | MHz, | CDCl ₃) |
|----------|-----|----------|-------------|-------|-------|----------|------|---------------------|
|----------|-----|----------|-------------|-------|-------|----------|------|---------------------|

| 26 | 21.0 | 2.10, s | 8,25 | | | 21.1 | 2.12, s |
|------|-------------------|----------------------------------|------------------|--------------------------------|-------------------------------------|-------------------|------------------|
| 27 | 168.9 | | | | | 168.9 | |
| 28 | 19.9 | 1.38, s | 27 | | 18 | 19.9 | 1.42, s |
| 29 | 170.4 | | | | | 170.2 | |
| 30 | 21.4 | 2.31, s | 29 | | | 21.4 | 2.23, s |
| 2' | 168.1 | | | | | 165.4 | |
| 3' | 124.9 | | | | | 127.4 | |
| 4′ | 138.2 | 8.39, dd (8.0, 1.9) | 2', 6', 13' | 5', 6' | 5', 8b' | 138.0 | 8.20, br d (6.8) |
| 5' | 120.8 | 7.26, dd (8.0, 4.6) | 3', 4', 6' | 4', 6' | 4', 6' | 120.9 | 7.24 (6.8, 3.9) |
| 6' | 153.8 | 8.82, dd (4.6, 1.9) | 2', 4', 5' | 4', 5' | 5' | 152.6 | 8.78, br d (3.9) |
| 7' | 42.2 | 4.32, dddd (11.7, 9.5, 4.9, 2.7) | 10', 11' | 8a', 8b', 10a'/11a', 10b'/11b' | 8b', 9', 10a'/11a', 10b'/11b', OH-4 | 42.1 | 4.00, m |
| 8a' | 28.8 | 1.98, ddd (13.1, 7.4, 2.7) | 7', 9' | 8b', 9' | 7', 8b', 9', 10b'/11b' | 29.0 | 1.98, m (7.2) |
| 8b' | | 1.72, m (7.4) | 2', 7', 9' | 8a', 9' | 7', 8a', 9', 10a'/11a' | | 1.79, m (7.2) |
| 9' | 11.9 | 0.68, t (7.4) | 7', 8' | 8a', 8b' | 7', 8a', 8b' | 12.0 | 0.76, t (7.2) |
| 10a' | 31.8 ^b | 2.26, m | 7', 11', 12' | 7', 10b', 11a', 11b' | 7', 10b'/11b' | 30.3 ^b | 2.20, m |
| 10b' | | 1.87, m | 2', 7', 11', 12' | 7', 10a', 11a', 11b' | 13b, 14, 7', 8b', 10a'/11a' | | 1.87, m |
| 11a' | 31.3 ^b | 2.26, m | 7', 10', 12' | 7', 10a', 10b', 11b' | 7', 10b'/11b' | 30.7 ^b | 2.23, m |
| 11b' | | 1.87, m | 2', 7', 10', 12' | 7', 10a', 10b', 11a' | 13b, 14, 7', 8b', 10a'/11a' | | 1.80, m |
| 12' | 172.2 | | | | | 172.8 | |
| 13' | 166.4 | | | | | 165.5 | |
| OH-4 | | 4.96, br d (1.4) | 4, 14 | 14 | 13a, 13b, 7' | | |

^asignals overlapping. ^bassignments may be reversed.