**Table 3 Selected NMR data for 18-alkoxy gibberellin derivatives**:

| | **20a** | **21a** | **22a** | **23a** | **24a** | **25a** | **26a** | **27a** |
|---|---|---|---|---|---|---|---|---|
| $\delta_H$ ($J$ = Hz) | | | | | | | | |
| 3 | 3.98 (m) | 3.96 (m) | 3.98 (m) | 4.00 (m) | 3.55 (m) | 3.80 (m) | 3.90 (m) | 3.98 (m) |
| 5 | 2.91 (d 9.2) | 2.90 (d 9.2) | 2.91 (d 8.8) | 2.91 (d 9.5) | 2.90 (d 9.1) | 2.88 (d 10.1) | 2.88 (d 9.2) | 2.87 (d 9.4) |
| 6 | 2.65 (d 9.2) | 2.64 (d 9.3) | 2.72 (d 8.8) | 2.68 (d 9.5) | 2.69 (d 9.1) | 2.67 (d 10.1) | 2.64 (d 9.2) | 2.64 (d 9.4) |
| 7-$CO_2$Me | 3.68 (s) | 3.71 (s) | 3.70 (s) | 3.72 (s) | 3.55 (s) | 3.59 (s) | 3.67 (s) | 3.71 (s) |
| 17 | 5.02 (br s) | 5.01 (br s) | 5.03 (br s) | 5.02 (br s) | 5.01 (br s) | 5.02 (br s) | 5.02 (br s) | 5.02 (br s) |
| 17 | 5.12 (t 2.4) | 5.11 (t 2.4) | 5.12 (t 2.4) | 5.12 (t 2.4) | 5.11 (t 2.4) | 5.11 (t 2.4) | 5.13 (t 2.4) | 5.12 (t 2.4) |
| 18 | 3.56 (d 10.1) | 3.67 (d 10.1) | 3.92 (d 10.4) | 3.56 (d 10.1) | 3.58 (d 10.6) | 3.52 (d 10.1) | 3.54 (d 10.1) | 3.48 (d 10.0) |
| 18 | 3.91 (d 10.1) | 4.03 (d 10.1) | 4.32 (d 10.4) | 3.99 (d 10.1) | 3.97 (d 10.6) | 3.92 (d 10.1) | 3.91 (d 10.1) | 3.96 (d 10.0) |
| 18-OR | 4.92 (m) | 2.46 (s, 1H) | 4.06 (ABd 7.3) | 3.68 (m, 4H) | 4.44 (ABd 12.5) | 3.80 (s, 3H) | 2.82 (m) | 2.18 (m) |
| | 5.27 (m) | 4.12 (m) | 4.07 (ABd 7.3) | | 4.45 (ABd 12.5) | 4.40 (ABd 12.5) | 3.58 (m) | 3.49 (m) |
| | 5.80 (m) | | | | 7.3 (m, 5H) | 4.41 (ABd 12.5) | 7.2 (m, 5H) | 3.68 (m) |
| | | | | | | 6.88,7.18 (d 12.3) | | |

| | **20b** | **21b** | **22b** | **23b** | **24b** | **25b** | **26b** |
|---|---|---|---|---|---|---|---|
| $\delta_H$ ($J$ = Hz) | | | | | | | |
| 3 | 4.17 (m) | 4.18 (m) | 4.26 (m) | 4.17 (m) | 4.16 (m) | 4.13 (m) | 4.06 (m) |
| 5 | 3.46 (d 9.5) | 3.45 (d 9.8) | 3.54 (d 9.2) | 3.58 (d 10.1) | 3.51 (d 9.7) | 3.49 (d 9.5) | 3.46 (d 9.7) |
| 6 | 2.75 (d 9.5) | 2.77 (d 9.8) | 2.78 (d 9.2) | 2.62 (d 10.1) | 2.76 (d 9.7) | 2.75 (d 9.5) | 2.75 (d 9.2) |
| 7-$CO_2$Me | 3.69 (s) | 3.68 (s) | 3.70 (s) | 3.74 (s) | 3.62 (s) | 3.68 (s) | 3.68 (s) |
| 17 | 5.03 (br s) | 5.03 (br s) | 5.04 (br s) | 5.03 (br s) | 5.03 (br s) | 5.02 (br s) | 5.24 (br s) |
| 17 | 5.11 (t 2.4) | 5.13 (t 2.4) | 5.12 (t 2.4) | 5.15 (t 2.4) | 5.13 (t 2.4) | 5.12 (t 2.4) | 5.13 (t 2.4) |
| 18 | 3.58 (d 9.8) | 3.68. (d 9.8) | 3.87 (d 9.9) | 3.56 (d 10.1) | 3.60 (d 9.8) | 3.49 (d 9.8) | 3.57 (d 9.7) |
| 18 | 3.90 (d 9.8) | 3.99 (d 9.8) | 4.29 (d 9.9) | 3.99 (d 10.1) | 3.96 (d 9.8) | 3.92 (d 9.8) | 3.89 (d 9.7) |
| 18-OR | 4.96 (m) | 2.46 (s, 1H) | 4.02 (ABd 7.3) | 3.68 (m, 4H) | 4.46 (s, 2H)) | 3.80 (s, 3H) | 2.84 (m) |
| | 5.22 (m) | 4.10 (m) | 4.05 (ABd 7.3) | | 7.3 (m, 5H) | 4.37 (ABd 12.5) | 3.60 (m) |
| | 5.90 (m) | 4.11 (m) | | | | 4.39 (ABd 12.5) | 7.2 (m, 5H) |
| | | | | | | 6.88,7.18 (d 12.3) | |