SUPPLEMENTARY MATERIAL

A New (−)-5′,6-dimethoxyisolariciresinol-(3‴,4‴-dimethoxy)-3α-O-β-D-glucopyranoside from the Bark of Aglaia eximia (Meliaceae)

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New (−)-5′,6-dimethoxyisolariciresinol-(3‴,4‴-dimethoxy)-3α-O-β-D-glucopyranoside compound was isolated from the methanol extract of the bark of A. eximia (Meliaceae). The chemical structure of the new compound were elucidated on the basis of spectroscopic data including, UV, IR, HR-ESI-TOFMS, 1D-NMR, 2D-NMR and comparison with those related compounds previously reported.

Keywords: Aglaia eximia; lignan; (−)-5′,6-dimethoxyisolariciresinol-(3‴,4‴-dimethoxy)-3α-O-β-D-glucopyranoside; Meliaceae.

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Figure S1. Selected HMBC and H-H COSY correlations for 1.

Figure S2. 1H-NMR (CD3OD, 500MHz) spectrum of compound 1
Figure S3. HMQC spectra of compound 1

Figure S4. HMBC spectra of compound 1
Figure S5. Broad band and DEPT spectra of compound 1
Figure S6. $^1$H-$^1$H COSY spectra of compound 1
Figure S7. HR-ESI-TOFMS spectra of compound 1
Table SI. $^1$H (500 MHz) and $^{13}$C-NMR (125 MHz) data of compound 1 in CD$_3$OD

| Position | $^1$H-NMR δc (3H, mult, $J = \ldots$ Hz) | $^{13}$C-NMR δc (mult.) | HMBC |
|----------|------------------------------------------|--------------------------|-------|
| 9        | -                                        | 126.5 (s)                | -     |
| 8        | 6.58 (1H, s)                             | 107.1 (d)                | C-9, C-7, C-6, C-1 |
| 7        | -                                        | 147.7 (s)                | -     |
| 6        | -                                        | 148.7 (s)                | -     |
| 5        | 6.41 (1H, s)                             | 107.9 (d)                | C-9, C-7, C-6, C-10 |
| 10       | -                                        | 134.5 (s)                | -     |
| 1        | 2.70 (1H, dd, 4.6, 14.9)                 | 33.9 (t)                 | C-9, C-10, C-4, C-2a, C-3 |
|          | 2.64 (1H, dd, 14.9, 15.5)                |                          |       |
| 2        | 1.72 (1H, m)                             | 42.8 (d)                 | C-4, C-3, C-2a |
| 2a       | 3.45 (1H, dd, 9.8, 3.9)                  | 71.5 (t)                 | C-1"", C-8", C-8, C-7" |
|          | 3.30 (1H, dd, 9.8, 1.9)                  |                          |       |
| 1'       | -                                        | 139.4 (s)                | -     |
| 2'       | 6.43 (1H, s)                             | 106.9 (d)                | C-1][, C-3", C-4", C-6" |
| 3'       | -                                        | 149.0 (s)                | -     |
| 4'       | -                                        | 139.0 (s)                | -     |
| 5'       | -                                        | 149.0 (s)                | -     |
| 6'       | 6.43 (1H, s)                             | 106.9 (d)                | C-7", C-1", C-5", C-4", C-2" |
| 4        | 4.41 (1H, d, 5.9)                        | 43.3 (s)                 | C-8", C-9", C-2", C-6", C-1, C-6, C-1" |
| 3        | 2.12 (1H, m)                             | 46.8 (d)                 | C-4, C-2 |
| 3a       | 3.62 (1H, dd, 11.1, 2.6)                 | 66.3 (t)                 |       |
| 3"       | 3.54 (1H, dd, 11.1, 3.2)                 |                          |       |
| 1""      | 4.28 (1H, d, 9.8)                        | 104.9 (d)                | C-2a, C-2", C-3" |
| 2""      | 3.63 (1H, dd, 9.8, 10.5)                 | 78.0 (d)                 | C-1"", C-3", C-4" |
| 3""      | 3.27 (1H, t, 10.5)                       | 75.2 (d)                 | C-1"", C-2", C-4", C-5" |
| 4""      | 3.25 (1H, m)                             | 71.8 (d)                 | C-3", C-5", C-6" |
| 5""      | 3.23 (1H, m)                             | 78.3 (d)                 | C-3", C-4", C-6" |
| 6""      | 3.88 (1H, m)                             | 62.9 (t)                 | C-4", C-5" |
|          | 3.66 (1H, m)                             |                          |       |
| 7-OCH$_3$| 3.75 (3H, s)                             | 56.9 (q)                 | C-7 |
| 6-OCH$_3$| 3.74 (3H, s)                             | 56.9 (q)                 | C-6 |
| 3""5""-OCH$_3$ | 3.86 (6H, s) | 56.7 (q) | C-3'/C-5' |
| 3""4""-OCH$_3$ | 3.36 (6H, s) | 60.3 (q) | C-3"'/C-4" |
| OCH$_3$  |                          |                          |       |