

**Table S1.**  $^1\text{H}$  and  $^{13}\text{C}$  NMR chemical shifts of the compound isolated from *A. pilosa* Ledeb.

**Agrimoniin (1).** White amorphous powder,  $[\alpha]_{\text{D}} +162^\circ$  ( $c = 0.50$ , MeOH); m.p.  $190^\circ\text{C}$ ; FAB-MS  $m/z$  1893  $[\text{M}+\text{Na}]^+$ ;  $^1\text{H}$ -NMR (400 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{H}}$ )  $\delta$  7.35 (1H, d,  $J = 2.1$  Hz), 7.21 (1H, s), 6.79 (1H, d,  $J = 2.1$  Hz) [dehydrodigalloyl group]; 6.63 (1H, s), 6.59 (1H, s), 6.51 (2H, s), 6.48 (1H, s), 6.47 (1H, s), 6.46 (1H, s), 6.40 (1H, s) [ $4 \times \text{HHDP}$  group]; 6.61 (1H, d,  $J = 1.6$  Hz) and 6.32 (1H, d,  $J = 1.7$  Hz) [glucose anomeric protons], 5.60–5.40 (2H, m) [glucose H3 and H3'], 5.38–5.01 (4H, m) [glucose H2, H2' and H4, H4'], 4.59 (2H, dd,  $J = 10.5$ , 6.3 Hz) and 4.39 (2H, dd,  $J = 10.5$ , 6.3 Hz) [glucose H5 and H5'], 3.78 (2H, d,  $J = 13.5$  Hz) and 3.63 (2H, d,  $J = 13.5$  Hz) [glucose H6 and H6']. Data with agreement with Olennikov et al. [17].

**Rutin (2).** Yellow amorphous powder,  $[\alpha]_{\text{D}} -33.5^\circ$  ( $c = 0.20$ , MeOH); m.p.  $190^\circ\text{C}$ ; EI-MS  $m/z$  611  $[\text{M}]^+$ ;  $^1\text{H}$ -NMR (400 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{H}}$ ) 7.56 (1H, dd,  $J = 9.0$ , 2.1 Hz, H-6'), 7.55 (1H, d,  $J = 2.1$  Hz, H-2'), 6.85 (1H, d,  $J = 8.4$  Hz, H-5'), 6.40 (1H, d,  $J = 2.0$  Hz, H-8), 6.11 (1H, d,  $J = 2.2$  Hz, H-6), 5.35 (1H, d,  $J = 7.8$  Hz, H-1''), 5.12 (1H, d,  $J = 1.6$  Hz, H-1''') 3.83–3.35 (10H, m, H-2''-6ab'' and 2'''-5'''), 1.13 (3H, d,  $J = 6.2$  Hz, H-6'''),  $^{13}\text{C}$ -NMR (100 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{C}}$ )  $\delta$  178.2 (C-4), 164.3 (C-7), 161.5 (C-5), 157.1 (C-9), 156.7 (C-2), 148.7 (C-4'), 145.6 (C-3'), 134.1 (C-3), 121.9 (C-1'), 122.0 (C-6'), 116.5 (C-5'), 116.1 (C-2'), 104.2 (C-10), 101.4 (C-1''), 101.0 (C-1'''), 98.9 (C-6), 93.9 (C-8), 76.7 (C-3''), 76.7 (C-5''), 74.9 (C-2''), 72.7 (C-4''), 71.4 (C-4'''), 71.2 (C-3'''), 70.8 (C-2'''), 68.5 (C-5'''), 67.3 (C-6''), 18.0 (C-6''').

**Luteolin-7-O-glucoside (3).** White amorphous powder;  $[\alpha]_{\text{D}} +39.5^\circ$  ( $c = 0.20$ , MeOH); m.p.  $249^\circ\text{C}$ ; EI-MS  $m/z$  449  $[\text{M}]^+$ ;  $^1\text{H}$ -NMR (400 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{H}}$ ) 7.41 (1H, s, H-2'), 7.40 (1H, d,  $J = 8.1$  Hz, H-6'), 6.82 (1H, d,  $J = 8.10$  Hz, H-5'), 6.80 (d,  $J = 2.0$  Hz, H-8), 6.75 (1H, s, H-3), 6.41 (1H, d,  $J = 2.0$  Hz, H-6), 5.01 (1H, d,  $J = 7.3$  Hz, H-1''), 3.73–3.21 (6H, m, H-2'', 3'', 4'', 5'' and 6ab''),  $^{13}\text{C}$ -NMR (100 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{C}}$ )  $\delta$  182.4 (C-4), 165.1 (C-7), 163.4 (C-2), 160.9 (C-5), 157.1 (C-9), 152.9 (C-4'), 146.4 (C-3'), 120.4 (C-1'), 120.0 (C-6'), 116.5 (C-5'), 113.3 (C-2'), 105.9 (C-10), 102.9 (C-3), 100.5 (C-1''), 100.1 (C-6), 95.4 (C-8), 76.9 (C-3''), 76.8 (C-5''), 73.3 (C-2''), 70.1 (C-4''), 61.3 (C-6'').

**Apigenin-7-O-glucuronide (4).** Yellow amorphous powder,  $[\alpha]_{\text{D}} -40^\circ$  ( $c = 0.20$ , MeOH); m.p.  $176^\circ\text{C}$ ; EI-MS  $m/z$  447  $[\text{M}]^+$ ;  $^1\text{H}$ -NMR (400 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{H}}$ ) 7.98 (2H, d,  $J = 8.7$  Hz, H-2', 6'), 6.91 (2H, d,  $J = 8.7$  Hz, H-3', 5'), 6.83 (1H, s, H-3), 6.81 (1H, d,  $J = 1.8$  Hz, H-8), 6.42 (1H, d,  $J = 1.8$  Hz, H-6), 5.12 (1H, d,  $J = 7.0$  Hz, H-1''), 3.90 (1H, d,  $J = 9.71$  Hz, H-5''), 3.50–3.29 (3H, m, H-2'', 3'' and 4''),  $^{13}\text{C}$ -NMR (100 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{C}}$ )  $\delta$  181.9 (C-4), 172.6 (C-6''), 165.1 (C-2), 163.1 (C-7), 162.1 (C-5), 159.9 (C-4'), 157.6 (C-9), 129.3 (C-2', 6'), 120.8 (C-1'), 116.7 (C-3', 5'), 105.9 (C-10), 102.8 (C-3), 99.5 (C-1''), 100.2 (C-6), 95.3 (C-8), 77.2 (C-3''), 74.4 (C-5''), 73.7 (C-2''), 72.3 (C-4'').

**Quercitrin (5).** Yellow amorphous powder,  $[\alpha]_{\text{D}} -141^\circ$  ( $c = 0.40$ , MeOH); m.p.  $183^\circ\text{C}$ ; EI-MS  $m/z$  449  $[\text{M}+\text{H}]^+$ ;  $^1\text{H}$ -NMR (400 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{H}}$ )  $\delta$  7.32 (1H, d,  $J = 1.5$  Hz, H-2'), 7.29 (1H, dd,  $J = 8.5$ , 1.5 Hz, H-6'), 6.90 (1H, d,  $J = 8.5$  Hz, H-5'), 6.40 (1H, d,  $J = 1.5$  Hz, H-8), 6.22 (1H, d,  $J = 2.0$  Hz, H-6), 5.23 (1H, d,  $J = 7.24$  Hz, H-1''), 3.98 (1H, s, H-2''), 3.53–3.30 (3H, m, H-3'', 4'' and 5''), 0.79 (3H, d,  $J = 2.0$  Hz, H-6''),  $^{13}\text{C}$ -NMR (100 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{C}}$ )  $\delta$  178.2 (C-4), 165.0 (C-7), 162.0 (C-5), 158.0 (C-2), 157.2 (C-9), 149.2 (C-4'), 145.9 (C-3'), 134.9 (C-3), 121.8 (C-6'), 121.5 (C-1'), 116.4 (C-5'), 116.2 (C-2'), 104.8 (C-10), 102.6 (C-1''), 99.4 (C-6), 94.2 (C-8), 71.9 (C-4''), 71.3 (C-2''), 71.1 (C-3''), 70.8 (C-5''), 18.2 (C-6'').

**Apigenin-7-O-glucoside (6).** Yellow amorphous powder;  $[\alpha]_{\text{D}} -64^\circ$  ( $c = 0.40$ , MeOH); m.p.  $204^\circ\text{C}$ ; EI-MS  $m/z$  433  $[\text{M}+\text{H}]^+$ ;  $^1\text{H}$ -NMR (400 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{H}}$ )  $\delta$  7.95 (2H, d,  $J = 8.5$  Hz, H-2', 6'), 6.91 (2H, d,  $J = 8.5$  Hz, H-3', 5'), 6.88 (1H, s, H-8), 6.83 (1H, s, H-3), 6.45 (1H, d,  $J = 1.7$  Hz, H-6), 5.14 (1H, d,  $J = 7.60$  Hz, H-1''), 3.90–3.05 (6H, m, H-2'', 3'', 4'', 5'' and 6ab''),  $^{13}\text{C}$ -NMR (100 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{C}}$ )  $\delta$  181.7 (C-4), 164.0 (C-2), 162.7 (C-7), 161.5 (C-5), 160.8 (C-4'), 156.6 (C-9), 128.2 (C-2', 6'), 120.7 (C-1'), 115.8 (C-3', 5'), 105.1 (C-10), 102.9 (C-3), 99.8 (C-1''), 99.3 (C-6), 94.7 (C-8), 76.3 (C-3''), 77.0 (C-5''), 73.0 (C-2''), 69.5 (C-4''), 60.8 (C-6'').

**Luteolin-7-O-glucuronide (7).** Yellow amorphous powder;  $[\alpha]_{\text{D}}^{25} +52.4^{\circ}$  ( $c = 0.30$ , MeOH) m.p.  $210^{\circ}\text{C}$ ; EI-MS  $m/z$  461  $[\text{M}-\text{H}]^{-}$ ;  $^1\text{H-NMR}$  (400 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{H}}$ )  $\delta$  7.45 (1H, dd,  $J = 8.0, 2.0$  Hz, H-6'), 7.44 (1H, d,  $J = 2.0$  Hz, H-2'), 6.91 (1H, d,  $J = 8.3$  Hz, H-5), 6.81 (1H, d,  $J = 2.0$  Hz, H-8), 6.75 (1H, s, H-3), 6.46 (1H, d,  $J = 2.2$  Hz, H-6), 5.31 (1H, d,  $J = 7.32$  Hz, H-1''), 4.10 (1H, d,  $J = 9.5$  Hz, H-5''), 3.41-3.24 (3H, m, H-2'', 3'' and 4''),  $^{13}\text{C-NMR}$  (100 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta_{\text{C}}$ )  $\delta$  180.9 (C-4), 173.1 (C-6''), 165.4 (C-2), 163.2 (C-7), 160.9 (C-5), 153.1 (C-9), 153.9 (C-4'), 147.4 (C-3'), 119.8 (C-6'), 118.2 (C-1'), 116.5 (C-5'), 112.7 (C-2'), 104.9 (C-10), 101.9 (C-3), 101.1 (C-1''), 99.8 (C-6), 93.9 (C-8), 76.88 (C-3''), 73.9 (C-5''), 73.3 (C-2''), 72.1 (C-4'').