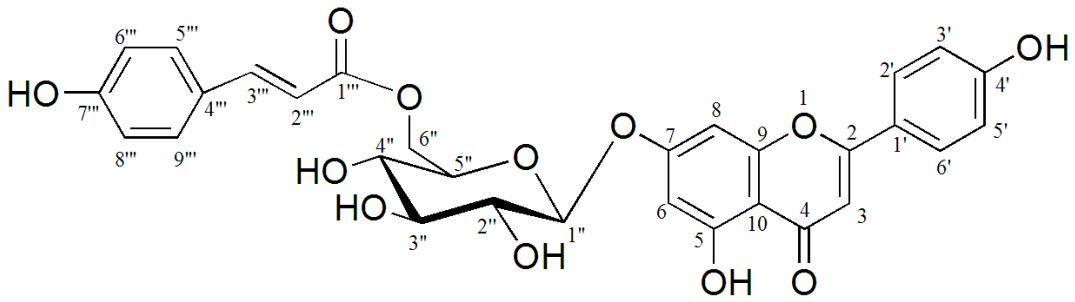
Supplement Fig.1



The extraction, isolation and the molecular construction of APG. The air-dried powders of the whole plants of *C. tangutica* (4 kg) were extracted with 70% EtOH under reflux for 2 h (12 L × 3). The filtrates were combined and evaporated to dryness in vacuum. The residue (985 g) was suspended in H_2O and then partitioned successively with petroleum ether (4 L × 2) and *n*-BuOH (4 L × 4). The *n*-BuOH extract (168 g) was subjected to column chromatography on silica gel (15 × 100 cm) eluting with a $CHCl_3$–MeOH–H_2O gradient (from 20:1:0.1~6:3:0.3) to give four crude fractions (A–D) based on TLC analysis. Fraction A (5.6 g) was eluted with $CHCl_3$–MeOH (1:1) on Sephadex LH-20 (1000 g, 5 × 120 cm) to remove the pigments and carbohydrates, and then further purified by recrystal with MeOH to yield apigenin-7-*O*-*β*-D-(6"-*p*-coumaroyl)-glucopyranoside (1.6 g).

Apigenin-7-*O*-*β*-D-(6"-*p*-coumaroyl)-glucopyranoside: Amorphous yellow powder; ^{1}H NMR (DMSO-d_6, 500 MHz) δ(ppm): 5.18 (1H, d, *J*= 7.4 Hz, H-1"), 6.34 (1H, d, *J*= 15.9 Hz, H-2'''), 6.49 (1H, d, *J*= 1.8 Hz, H-6), 6.68 (2H, d, *J*= 8.5 Hz, H-6''', 8'''), 6.82 (1H, d, *J*= 1.8 Hz, H-8), 6.93 (2H, d, *J*= 8.7 Hz, H-3', 5'), 7.38 (2H, d, *J*= 8.5 Hz, H-5''', 9'''), 7.50 (1H, d, *J*= 15.9 Hz, H-3'''), 7.95 (2H, d, *J*= 8.7 Hz, H-2', 6'); ^{13}C NMR(DMSO-d_6, 125 MHz) δ(ppm): 162.7 (C-2), 103.0 (C-3), 182.0 (C-4), 156.9

(C-5), 99.5 (C-6), 164.2 (C-7), 94.7 (C-8), 161.4 (C-9), 105.4 (C-10), 121.0 (C-1'), 128.5(C-2'), 116.0(C-3'), 161.1(C-4'), 116.0(C-5'), 128.5(C-6'), 99.5(C-1"), 73.0(C-2"), 76.2(C-3"), 70.0(C-4"), 73.8(C-5"), 63.4(C-6"), 166.4(C-1'"), 113.7(C-2'"), 144.9(C-3'"), 124.9(C-4'"), 130.1(C-5'"), 115.7(C-6'"), 159.8(C-7'"), 115.7(C-8'"), 130.1(C-9'"). ESI-MS: (positive ion mode) *m/z* 601 $[M+Na]^+$.