

Suppl. 1 Information of all authentic standards

Betaine (Cas. 107-43-7, $C_5H_{11}NO_2$, M.W. 117.148, 98%), guvacoline (Cas. 6197-39-3, $C_7H_{12}ClNO_2$, M.W. 177.628, 98%), arecoline (Cas. 63-75-2, $C_8H_{13}NO_2$, M.W. 155.197, 98%), 5-hydroxymethylfurfural (Cas. 67-47-0, $C_6H_6O_3$, M.W. 126.111, 98%), (+)-catechin (Cas. 154-23-4, $C_{15}H_{16}O_7$, M.W. 308.28, 98%), procyanidin B2 (Cas. 29106-49-8, $C_{30}H_{26}O_{12}$, M.W. 578.526, 98%), typhaneoside (Cas. 104472-68-6, $C_{34}H_{42}O_{20}$, M.W. 770.69, 98%), procyanidin B3 (Cas. 23567-23-9, $C_{30}H_{26}O_{12}$, M.W. 578.526, 98%), procyanidin B1 (Cas. 20315-25-7, $C_{30}H_{26}O_{12}$, M.W. 578.5, 98%), *cis*-4-hydroxycinnamic acid (Cas. 4501-31-9, $C_9H_8O_3$, M.W. 164.16, 98%), indole-3-acetic acid (Cas. 87-51-4, $C_{10}H_9NO_2$, M.W. 175.187, 98%), perilladehyde (Cas. 18031-40-8, $C_{10}H_{14}O$, M.W. 150.2, 90%), senkyunolide A (Cas. 63038-10-8, $C_{12}H_{16}O_2$, M.W. 192.258, 97%), 4-isopropyltoluene (Cas. 99-87-6, $C_{10}H_{14}$, M.W. 134.222, 98%), kaempferol-3-O-glucorhamnoside (Cas. 40437-72-7, $C_{27}H_{30}O_{15}$, M.W. 594.522, 98%), costunolide (Cas. 553-21-9, $C_{15}H_{20}O_2$, M.W. 232.323, 98%) and trigonelline (Cas. 535-83-1, $C_7H_7NO_2$, M.W. 137.138, 98%) were obtained from Shaanxi Herbest Co., Ltd. (Baoji, China). 1,3,5,6-Tetrahydroxyxanthone (Cas. 5084-31-1, $C_{13}H_8O_6$, M.W. 260.199, 97%), viscidulin I (Cas. 92519-95-4, $C_{15}H_{10}O_7$, M.W. 302.24, 97%), and isorhamnetin (Cas. 480-19-3, $C_{16}H_{12}O_7$, M.W. 316.27, 97%) were obtained from BioBioPha Co., Ltd. (Kunming, China). Rutin (Cas. 153-18-4, $C_{27}H_{30}O_{16}$, M.W. 610.52, 97%), (+)-taxifolin (Cas. 480-18-2, $C_{15}H_{12}O_7$, M.W. 304.25, 97%), kaempferol (Cas. 520-18-3, $C_{15}H_{10}O_6$, M.W. 286.24, 97%), isorhamnetin-3-O-neohesperoside (Cas. 55033-90-4, $C_{28}H_{32}O_{16}$, M.W. 624.55, 97%), and 6-gingerol (Cas. 23513-14-6, $C_{17}H_{26}O_3$, M.W. 293.39, 97%) were obtained from Chengdu Alfa Biotechnology Co., Ltd. (Chengdu, China). Epigallocatechin (Cas. 970-74-1, $C_{15}H_{14}O_7$, M.W. 306.27, 97%), protocatechuic acid (Cas. 99-50-3, $C_7H_6O_4$, M.W. 154.12, 97%), (-)-epicatechin (Cas. 490-46-0, $C_{15}H_{14}O_6$, M.W. 290.27, 97%), and naringenin (Cas. 480-41-1, $C_{15}H_{12}O_5$, M.W. 272.25, 97%) were obtained from Sichuan Weikeyi Biological Technology Co., Ltd. (Chengdu, China). D-Gluconic acid (Cas. 526-95-4, $C_6H_{11}O_7$, M.W. 195.1479, 97%), methyl benzoate (Cas. 93-58-3, $C_8H_8O_2$, M.W. 136.148, 97%), and chloesteryl acetate (Cas. 604-35-3, $C_{29}H_{48}O_2$, M.W. 428.69, 97%) were obtained from Sigma-Aldrich (Shanghai, China). Sucrose (Cas. 57-50-1, $C_{12}H_{22}O_{11}$, M.W. 342.30, 98%) was obtained from TCI Chemical Co. (Shanghai, China). L-Phenylalanine (Cas. 63-91-2, $C_9H_{11}NO_2$, M.W. 165.19, 97%) was obtained from J&K Scientific Co., Ltd. (Beijing, China). 4-Allylphenol (Cas. 501-92-8, $C_9H_{10}O$, M.W. 134.18, 97%) was obtained from Shanghai Shaoyuan Co., Ltd. (Shanghai, China).