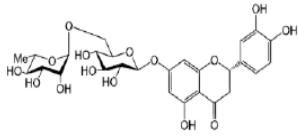
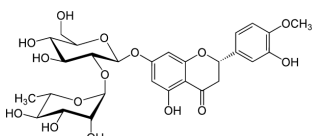
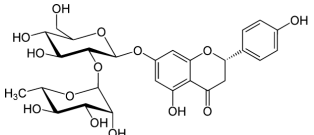
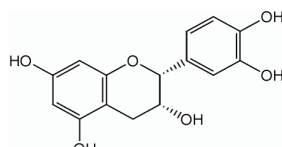
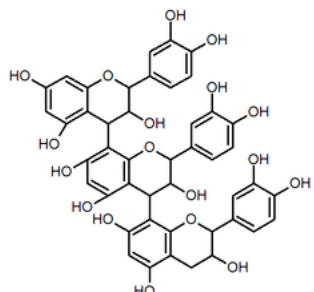
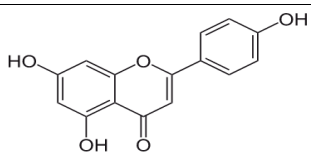
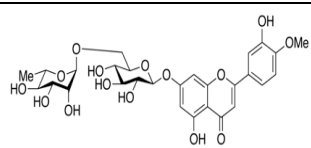


Table S1. Characteristics of flavonoids used.

Dosage (mg/day)	Chemical structure of major components (concentration % w/w)	Flavonoids skeleton / type of glycosidic structure	Main structural features
Flavonoid-rich vegetal extracts			
LE / (2,84)	 Eriocitrin (35%)	Flavanone-7-O-rhamnoglycoside type rutinoside	B ring with catechol group (3', 4'-dihydroxy)
GBO / (9,28)	 Neohesperidin (10.90%)	Flavanone-7-O-rhamnoglycoside type neohesperidoside	Neohesperidin: B ring 3'-hydroxy-4'-methoxy
	 Naringin (54,30%)		Naringin: B Ring 4'-hydroxy
COE / (2,52)	 (-)-Epicatechin (6.84%)	Flavan-3-ol aglycone	B ring with catechol group (3', 4'-dihydroxy) + C3-hydroxyl group
	 Procyanidin dimer B2 (4.88%)		
High purity flavonoids			
A / (1,44)	 Apigenin (93.7%)	Flavone aglycone	B ring 4'-hydroxy + double bond C2=C3
D / (7,16)	 Diosmin (93.2%)	Flavone-7-O-rhamnoglycoside type rutinoside	B ring 3'-hydroxy-4'-methoxy + double bond C2=C3