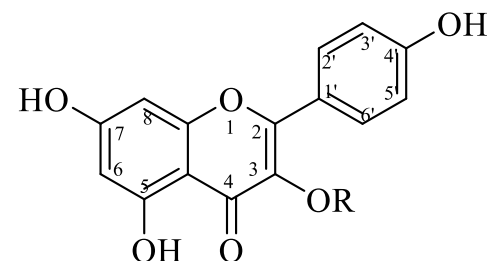
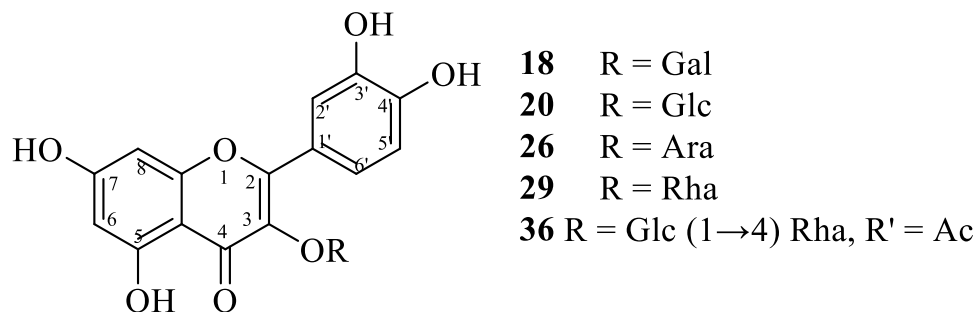


SUPPLEMENTARY MATERIAL

**Phytochemical Profile, Antioxidant Potential, Antimicrobial Activity and Cytotoxicity of Dry Extract from
Rosa damascena Mill**



- 23** R = Gal
28 R = Glc
32 R = Xyl
33 R = Ara
34 R = Glc (1→4) Rha, R' = H
35 R = Rha
39 R = Glc (1→4) Rha, R' = Ac
40 R = 6''-(E)-p-Coumaroyl-Glc

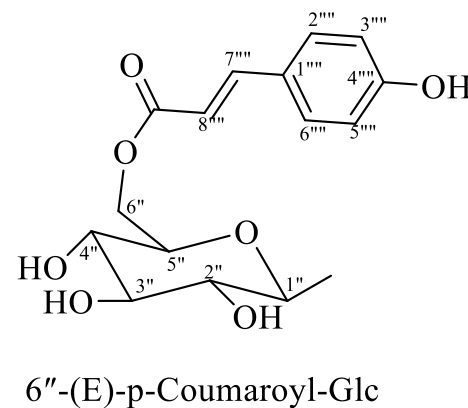
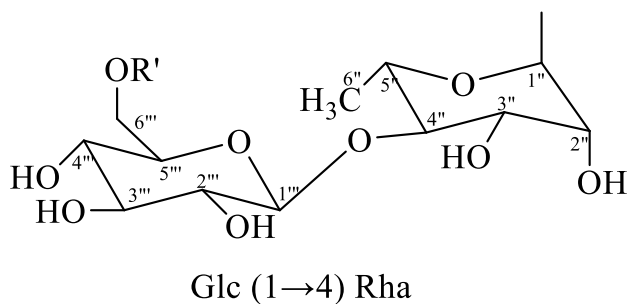
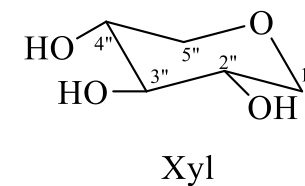
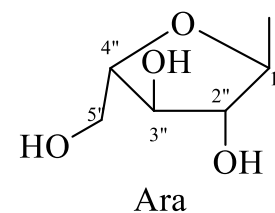
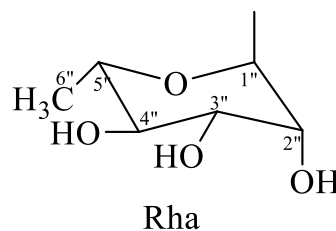
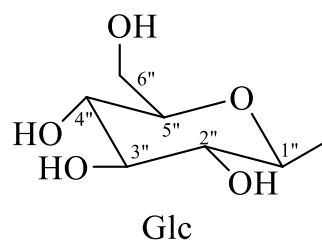
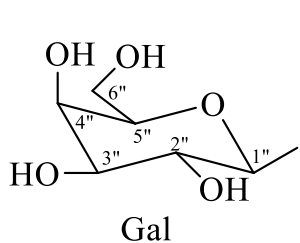


Figure S1. Structures of isolated flavonoids

Table S1. ¹H NMR data of quercetin glycosides (600 MHz, CD₃OD, δ in ppm, multiplicity, *J* constants)

	18	20	26	29	36
H-6	6.20 d (2.1)	6.20 d (2.1)	6.19 d (1.9)	6.19 d (2.0)	6.17 d (2.1)
H-8	6.40 d (2.1)	6.39 d (2.1)	6.38 d (1.9)	6.36 d (2.0)	6.34 d (2.1)
H-2'	7.84 d (2.2)	7.70 d (2.2)	7.53 d (2.1)	7.32 d (2.1)	7.32 d (2.2)
H-5'	6.86 d (8.2)	6.86 d (8.2)	6.90 d (8.3)	6.90 d (8.0)	6.91 d (8.0)
H-6'	7.58 dd (2.2, 8.2)	7.58 dd (2.2, 8.2)	7.49 dd (2.1, 8.3)	7.30 dd (2.1, 8.0)	7.27 dd (2.2, 8.0)
H-1''	5.17 d (7.7)	5.26 d (7.6)	5.47 brs	5.33 d (1.5)	5.35 d (1.5)
H-2''	3.81 dd (7.7, 9.1)	3.47 dd (7.6, 9.0)	4.33 br d (3.0)	4.20 dd (1.4, 3.4)	4.20 dd (1.5, 3.4)
H-3''	3.55 dd (3.2, 9.1)	3.42 t (9.0)	3.91 dd (3.0, 5.1)	3.74 dd (3.4, 9.4)	3.93 dd (3.4, 9.1)
H-4''	3.84 br d (3.2)	3.34 t (9.0)	3.86 m	3.33 m	3.50 t (9.1)
H-5''	3.46 br t (6.1)	3.21 m	3.49 m (2H)	3.41 m	3.36 m
H-6''	3.63 dd (6.1, 11.2)	3.70 dd (2.3, 12.1)		0.93 d (6.5)	0.95 d (6.7)
	3.54 dd (6.1, 11.2)	3.56 dd (5.6, 12.1)			
H-1'''					4.48 d (7.7)
H-2'''					3.19 dd (7.7, 9.1)
H-3'''					3.33 t (9.1)
H-4'''					3.26 m
H-5'''					3.42 m
H-6'''					4.35 dd (2.5, 12.0)
					4.18 dd (5.4, 12.0)
OAc					2.01 s

Table S2. ¹H NMR data of kaempferol glycosides (600 MHz, CD₃OD, δ in ppm, multiplicity, *J* constants)

[illegible]

Table S3. Total phenolic (TPC) and total flavonoid (TFC) contents and antioxidant activity (DPPH, ABTS and FRAP) of dry rose extract (DRE) and ethyl acetate fraction (EAE)

Extract	TPC [mg GAE/g E]	TFC [mg RE/g E]	DPPH [IC ₅₀ mg/mL)	ABTS [mM Trolox/g E]	FRAP [mM Fe ²⁺ /g E]
DRE	212.19±3.43	135.28±1.77	0.27±0.01	1.98±0.01	5.40±0.14
EAE	680.48±2.48	482.26±1.82	0.16±0.01	3.49±0.01	13.84±0.16
BHT	-	-	0.47±0.03	-	8.92±0.08
Caffeic acid	-	-	0.068±0.001	-	14.36±0.01