

## Supplementary Materials

# Antibacterial difference of plant flavonoids to gram-negative and -positive bacteria

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**Figure S1.** Chemical structure of thirty-seven tested plant flavonoids.

**Figure S2.** Chemical structure of fifty-two plant flavonoids reported.

**Figure S3.** Another effective regression curve for equation (6) established from the LogP of reported plant flavonoids and their log<sub>10</sub>(MIC) values.

**Table S1.** Comparison for the tested and reported MIC values of nine compounds.

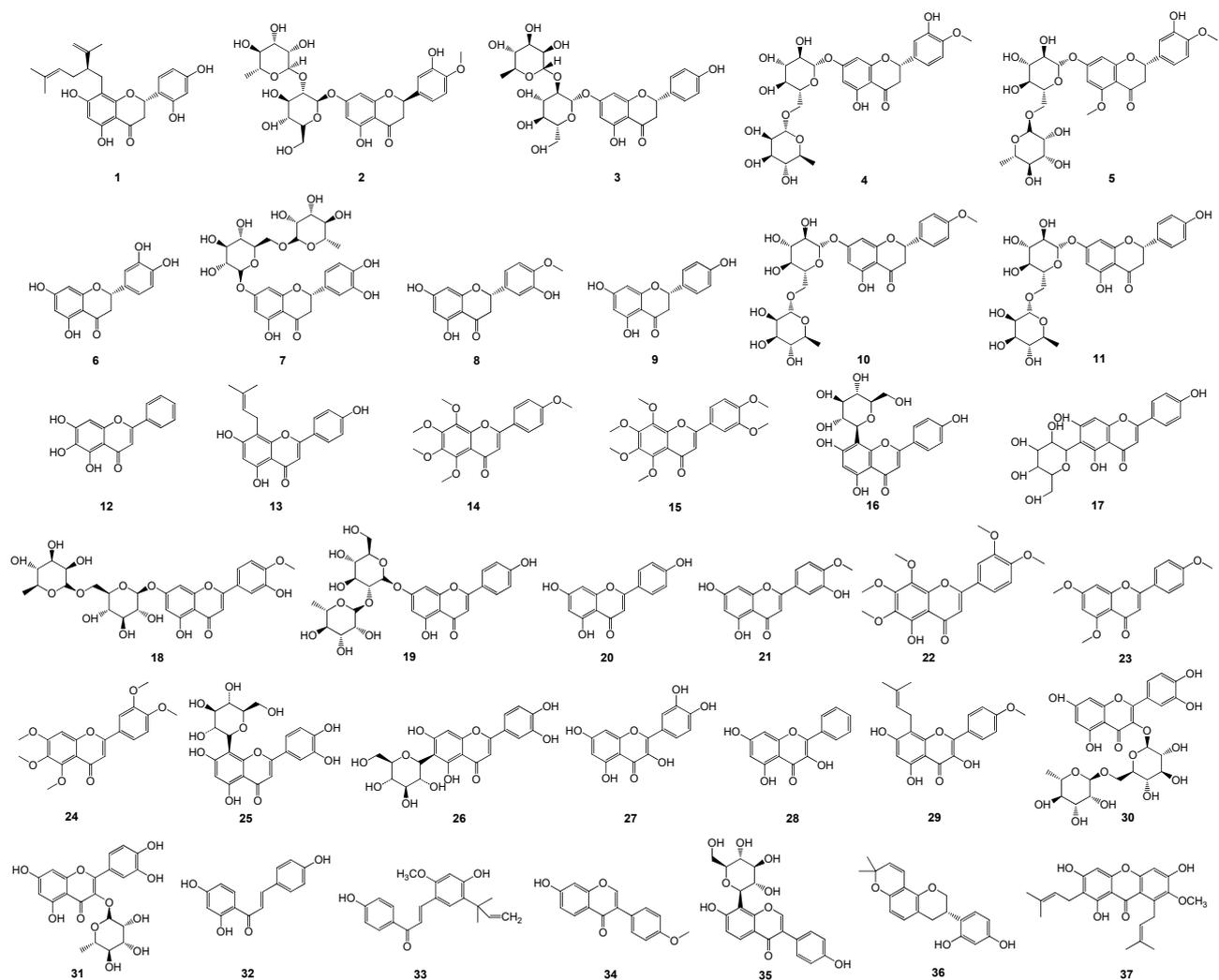


Figure S1. Chemical structure of thirty-seven tested plant flavonoids.

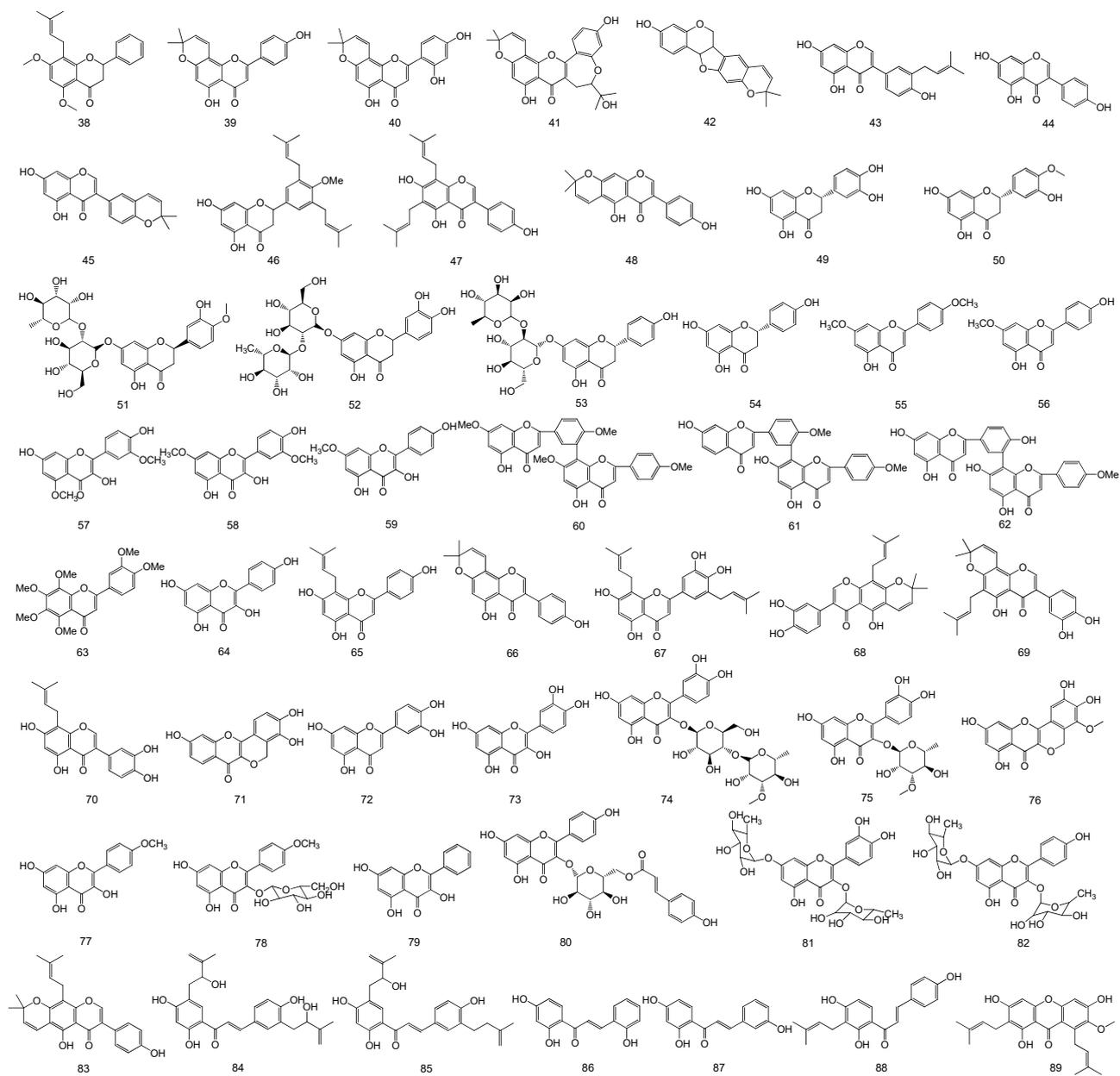
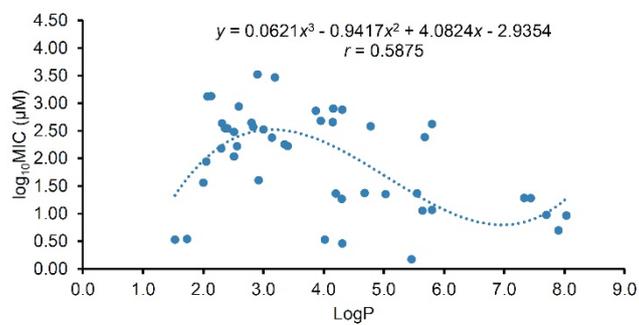


Figure S2. Chemical structure of fifty-two plant flavonoids reported.



**Figure S3.** Another effective regression curve for equation (6) established from the LogP of reported plant flavonoids and their log<sub>10</sub>(MIC) values.

**Table S1.** Comparison for the tested and reported MIC values of nine compounds.

Compound Number <sup>a</sup>	Compounds	Tested MIC ( $\mu$ M)	Reported MIC ( $\mu$ M)	References
3 (53)	Naringin	1763.88	>1722.53	3
6 (49)	Eriodictyol	7104.7	867.27	3
8 (50)	Hesperetin	6775.18	3308.19	3
9 (54)	Naringenin	7527.47	2938.37	3
13 (65)	Licoflavone C	3026.36	23.08	7
15 (63)	Nobiletin	2544.73	439.86	6
27 (73)	Quercetin	>3388.04	1323.45	10
28 (79)	Galangin	3789.22	370.04	12
37 (89)	$\alpha$ -mangostin	2494.7	>311.84	16

<sup>a</sup>: The number out of bracket is the number of tested flavonoids in Table 1, while that in bracket is the number of reported flavonoids in Table 2.