

**Supplementary Table S1. MIC value of traditional Chinese medicines against various bacteria**

MIC (mg/ml)	<i>E. coli</i> WT	<i>E. coli</i> $\Delta$ oxyR	<i>S. aureus</i>	<i>S. epidermidis</i>	<i>B. subtilis</i>	<i>B. cereus</i>
Ginger Magnoliae Officinalis Cortex	-	0.78	0.78	0.78	0.78	0.78
Cirsii Herba	-	1.56	-	-	-	-
Trberculate Speranskia Herb	-	6.25	-	-	-	-
Viola Herba	-	3.13	-	-	-	-
Genkwa flos	-	3.13	-	-	-	-
Ligustri Lucidi Fructus	-	3.13	-	-	-	-
Cynanchi Atrati Radix Et Rhizoma	-	3.13	-	-	-	-
Sinomenii Caulis	-	3.13	12.50	12.50	12.50	12.50
Plantaginis Herba	-	0.78	-	-	-	-
Lonicerae Japonicae Caulis	-	6.25	-	-	-	-
Leonuri Fructus	-	6.25	-	-	-	-
Drynariae Rhizoma	-	6.25	-	-	-	-
Zingiberis Rhizoma Praeparatum	-	3.13	-	-	-	-
Taraxaci Herba	-	1.56	-	-	-	-
Scutellariae Barbatae Herba	-	0.78	1.56	1.56	3.13	3.13
Viticis Fructus	-	3.13	-	-	-	-
Piperis Kadsurae Caulis	-	3.13	-	-	-	-
Faeces Trogopterpri	-	12.50	-	-	-	-
Sennae Folium	-	6.25	-	-	-	-
Dendrobii Caulis	-	6.25	-	-	-	-

Clematidis Radix Et Rhizoma	-	6.25	-	-	-	-
Epimedii Folium	-	3.13	-	-	-	-
Hedyotis Herba	-	6.25	-	-	-	-
Glycyrrhizae Radix Et Rhizoma	-	3.13	3.13	3.13	3.13	3.13
Thlaspis Herba	-	3.125	12.50	12.50	12.50	12.50
Chrysanthemi Flos	-	12.50	-	-	-	-
Mori Folium	-	3.13	-	-	-	-
Lotus Flower	-	1.56	12.50	12.50	12.50	12.50
Carthami Flos	-	1.56	6.25	6.25	6.25	6.25
Magnoliae Flos	-	6.25	-	-	-	-
Cacumen Platycladi	-	1.56	-	-	-	-
Cirsii Japonici Herba	-	3.13	-	-	-	-
Girald Acanthopanax Cortex	-	3.13	-	-	-	-
Menthae Haplocalycis Herba	-	0.78	12.50	12.50	12.50	12.50
Siegesbeckiae Herba	-	1.56	-	-	-	-
Prunellae Spica	-	0.78	3.13	3.13	3.13	3.13
Inulae Herba	-	1.56	12.50	12.50	12.50	12.50
Mori Cortex	-	-	1.56	1.56	3.13	3.13
Schizonepetae Herba Carbonisata	-	0.78	3.13	3.13	3.13	3.13

:- Bacterial growth was not inhibited at a maximum concentration of 12.50 mg/ml. *E. coli* WT: *E. coli* DHB4 strain. *E. coli*  $\Delta oxyR$ : *E. coli* DHB4 strain with *oxyR* gene deletion.

**Supplementary Table S2. MBC value of magnolol and honokiol against bacteria (µg/ml)**

Bacterial type	Bacteria	Magnolol	Honokiol
Gram-negative bacteria	<i>E. coli</i>	>332	>332
	<i>P. aeruginosa</i>	>332	>332
Gram-positive bacteria	<i>S. aureus ATCC29213</i>	8	8
	<i>S. aureus MRSA USA300 JE2</i>	10	6
	<i>S. epidermidis</i>	8	8
	<i>B. cereus</i>	8	8
	<i>B. subtilis</i>	8	8

The diluted bacteria were cultured with magnolol or honokiol in a 96-well plate at 37°C for 24 h. The bacteria include Gram-negative bacteria (*E. coli*, *P. aeruginosa*) and Gram-positive bacteria (*S. aureus*, *S. epidermidis*, *B. subtilis*, *B. cereus*) which were cultured to an OD600 ~0.4 and diluted 1,000 times. Whereafter, the MBC values were determined in triplicates using LB-agar medium plate.