

# Plants

## Supplementary Material

### The Influence of Chestnut Extract and Its Components on Antibacterial Activity of *Staphylococcus aureus*

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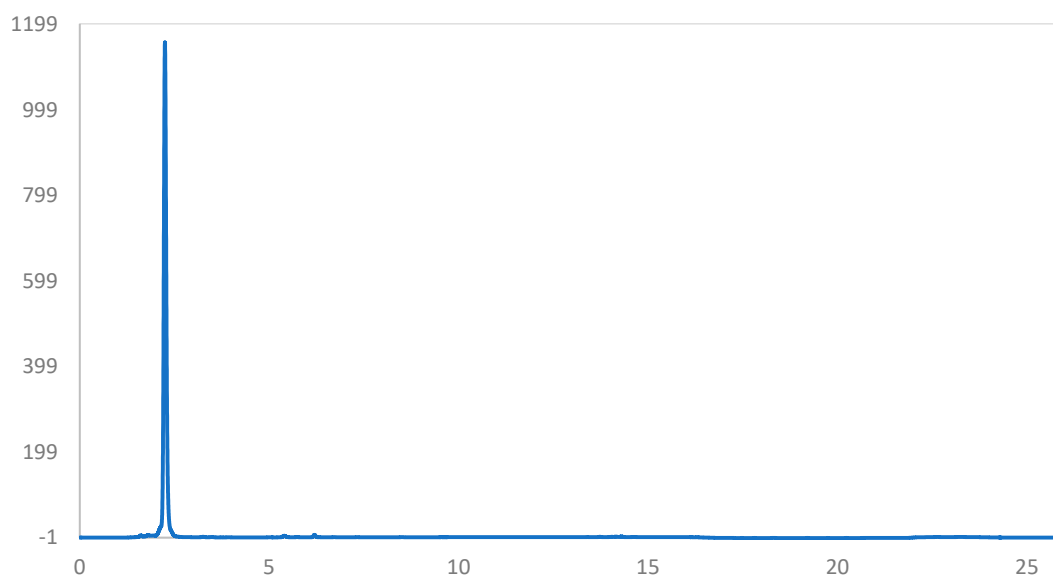
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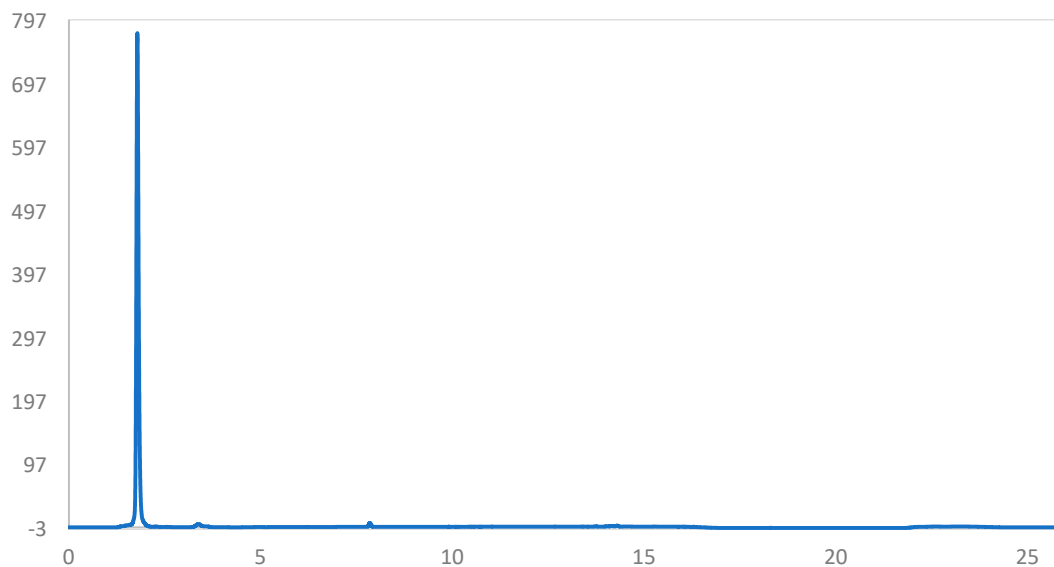
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**Figure S1.** HPLC chromatogram of castalin at 280 nm.



**Figure S2.** HPLC chromatogram of vescalin at 280 nm.

**Table S1.** Minimum inhibitory concentration (MIC) values of chestnut extract and its compounds in differently concentrated growth media.

	0.5	0.75	1	1.5
	MIC values in $\mu\text{g/mL}$			
Chestnut extract	$733.33 \pm 57.74$	$800.00 \pm 100.00$	$866.67 \pm 115.47$	$1200.00 \pm 120.00$
Tannic acid	$23.33 \pm 5.77$	$50.00 \pm 10.00$	$60.00 \pm 0.00$	$85.00 \pm 8.66$
Gallic acid	$2600.00 \pm 346.41$	$4000.00 \pm 916.52$	$5200.00 \pm 346.41$	$5600.00 \pm 800.00$
Vescalagin	$400.00 \pm 0.00$	$433.00 \pm 57.74$	$533.33 \pm 57.74$	$600.00 \pm 0.00$
Castalagin	$533.00 \pm 152.75$	$500.00 \pm 173.21$	$700.00 \pm 0.00$	$866.67 \pm 57.74$
Vescalin	$300 \pm 0.00$	$333.33 \pm 57.74$	$350.00 \pm 57.74$	$566.67 \pm 57.74$
Castalin	$533.33 \pm 57.74$	$533.00 \pm 57.74$	$450.00 \pm 0.00$	$733.33 \pm 230.94$

0.5 = half the concentration of *MHB* growth medium recommended by the producer; 0.75 = 75% of the concentration of *MHB* growth medium recommended by the producer; 1 = the concentration of *MHB* growth medium recommended by the producer; 1.5 = one and a half the concentration of *MHB* growth medium recommended by the producer.