The Effect of Apigenin on Gram Positives and Negative Bacteria

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Received on: 4/9/2011 & Accepted on: 3/11/2011

ABSTRACT
The antibacterial effect of Apigenin was evaluated by an in vitro study testing the growth of various Gram-Posative and Gram-Negative bacteria. The bactericidal activity of this extract was analyzed by serial dilution in tubes. This study found that Gram-Negative and Gram-Positive bacteria susceptible to lower Apigenin concentrations. On the other hand, Gram-Negative bacteria were more susceptible than Gram-Positives bacteria, the minimal bactericidal concentration of Gram-Negative bacteria was 2 mg ml

-1 but minimal bactericidal concentration of Gram-Positive bacteria was 4 mg ml

-1 that mean doable inhibition concentration of Gram-negative bacteria. This study suggest that Apigenin have inhibition effect against Gram-Posative and Gram-Negative bacteria and Apigenin was natural material found in Iraq and world with little side effect.