

Bioguided isolation of active compounds from *Rhamnus alaternus* against Methicillin Resistant *Staphylococcus aureus* (MRSA) and Panton-Valentine leucocidin positive strains (MSSA-PVL)

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S1. The susceptibility test of *S. aureus* strains (*Sa* and MRSA (ATCC 29213))

S2. The susceptibility test of *S. aureus* strains (MRSA348 et *Sa*PVL+)

S3. ¹H NMR spectrum of emodin (600 MHz, CDCl₃)

S4. ¹H NMR spectrum of kaempferol (600 MHz, C₃H₆O)

S5. EIMS spectrum of emodin

S6. EIMS spectrum of kaempferol

S7. HREIMS spectrum of emodin

S8. HREIMS spectrum of kaempferol

S1. The susceptibility test of *S. aureus* strains (*Sa* and MRSA (ATCC 29213)).

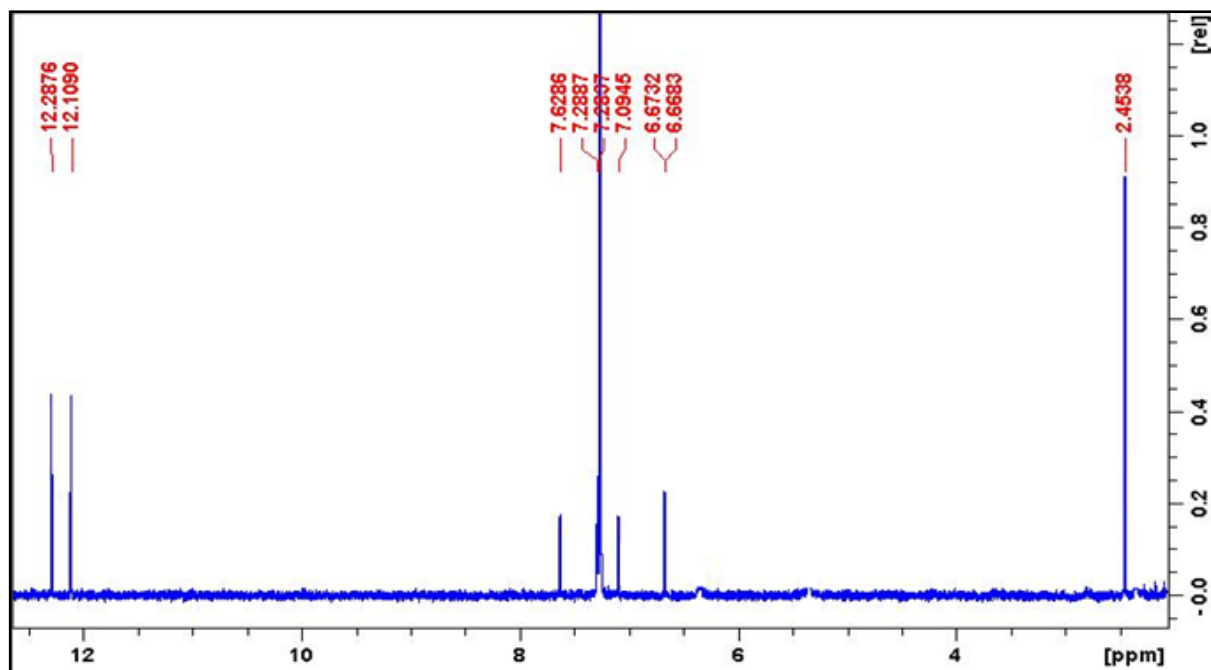
Antibiotics family	Antibiotics	Dose par disc (µg)	<i>S. aureus</i> strains	
			<i>Sa</i>	MRSA (ATCC 29213)
Penicillins	Penicillin	10 units	Resistant	Resistant
	Ampicillin	10	Resistant	Resistant
	Amoxicillin	20	Resistant	Resistant
	Oxacillin	1	Resistant	Resistant
	Methicillin	5	Resistant	Resistant
Penicillin combination	Clavulanic acid + amoxicillin	10/20	Resistant	Resistant
Cephalosporines	Ceftriaxone	30	Resistant	Resistant
	Ceftazidime	30	Resistant	Resistant
Glycopeptides	Vancomycin	30	Susceptible	Susceptible
	Teicoplanine	30	Susceptible	Susceptible
Macrolides	Erythromycin	15	Resistant	Resistant
	Spiramycin	15	Resistant	Resistant
Tetracyclines	Tetracycline	30	Susceptible	Susceptible
Polypeptides	Colistin	10	Resistant	Resistant
Others	fusidic acid	10	Resistant	Resistant
	Pristinamycin	10	Susceptible	Susceptible

S2. The susceptibility test of *S. aureus* strains (MRSA348 et *SaPVL*+).

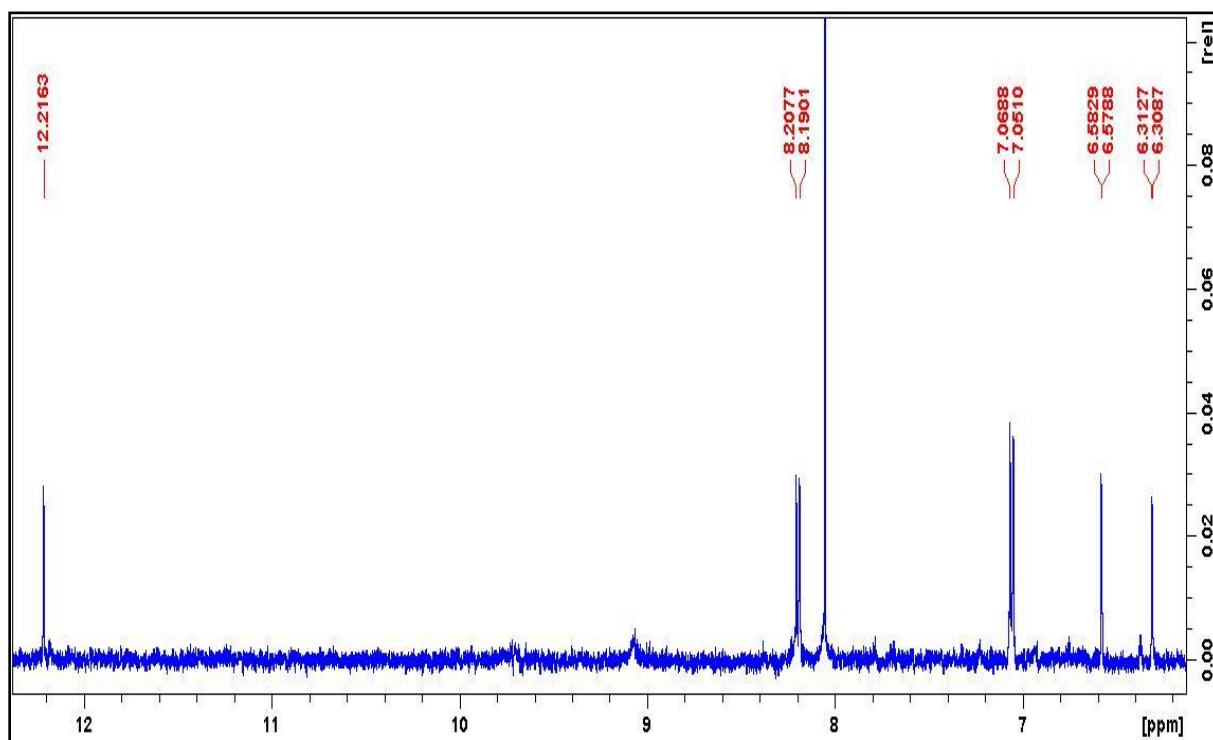
Antibiotics family	Antibiotics	<i>S. aureus</i> strains	
		MRSA348	<i>SaPVL</i> +
Aminoglycosides	Gentamicin	Resistant	Susceptible
Aminosides	Tobramycin	Resistant	Susceptible
Penicillins	Penicillin	Resistant	Resistant
	Methicillin	Resistant	Susceptible
Cephameycins	Cefoxitin	Resistant	Susceptible
Macrolides	Erythromycin	Resistant	Susceptible
Tetracyclines	Tetracycline	Resistant	Susceptible
Quinolones	Norfloxacin	Resistant	Susceptible
Rifamycins	Rifampicin	Susceptible	Susceptible
Others	Fusidic acid	Resistant	Susceptible
	Clindamycin	Susceptible	Susceptible
	Trimethoprim/Sulfamethoxazole	Resistant	Susceptible

MRSA348: absence of PVL toxin; *SaPVL*+: produce PVL toxin.

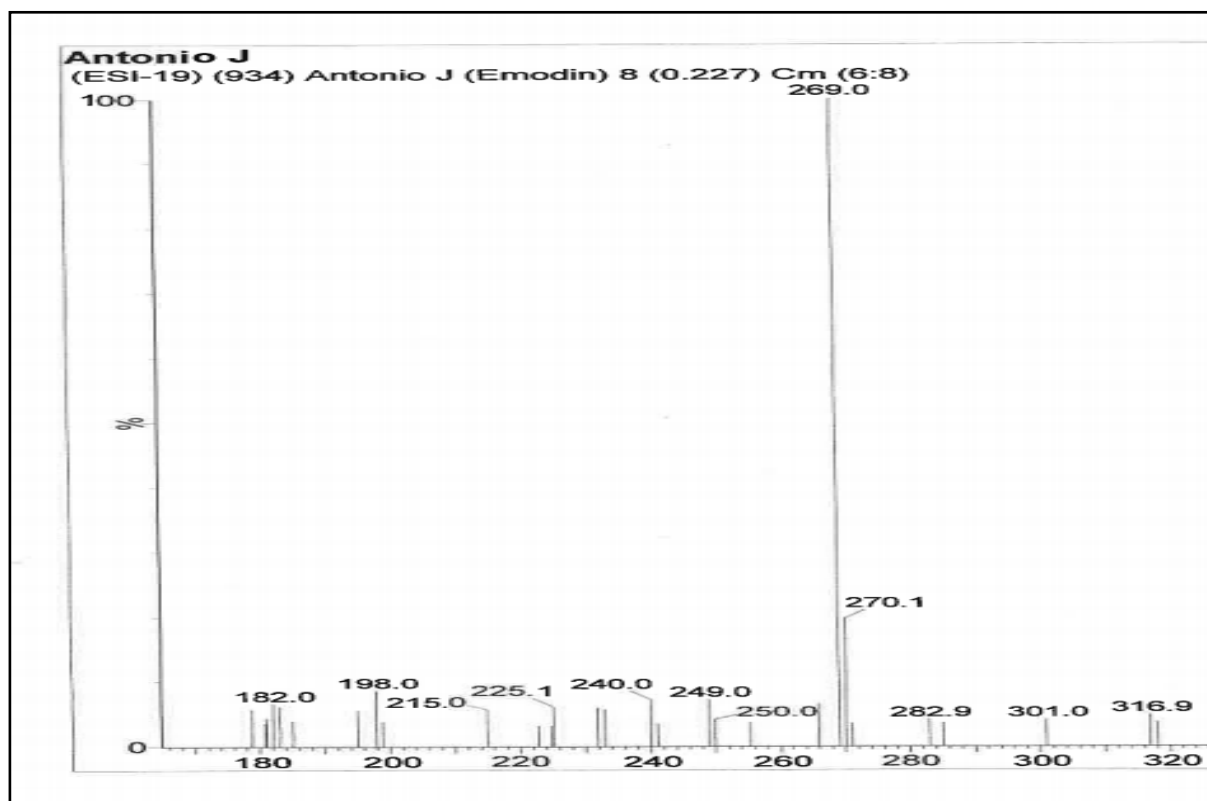
S3. ^1H NMR spectrum of emodin (600 MHz, CDCl_3).



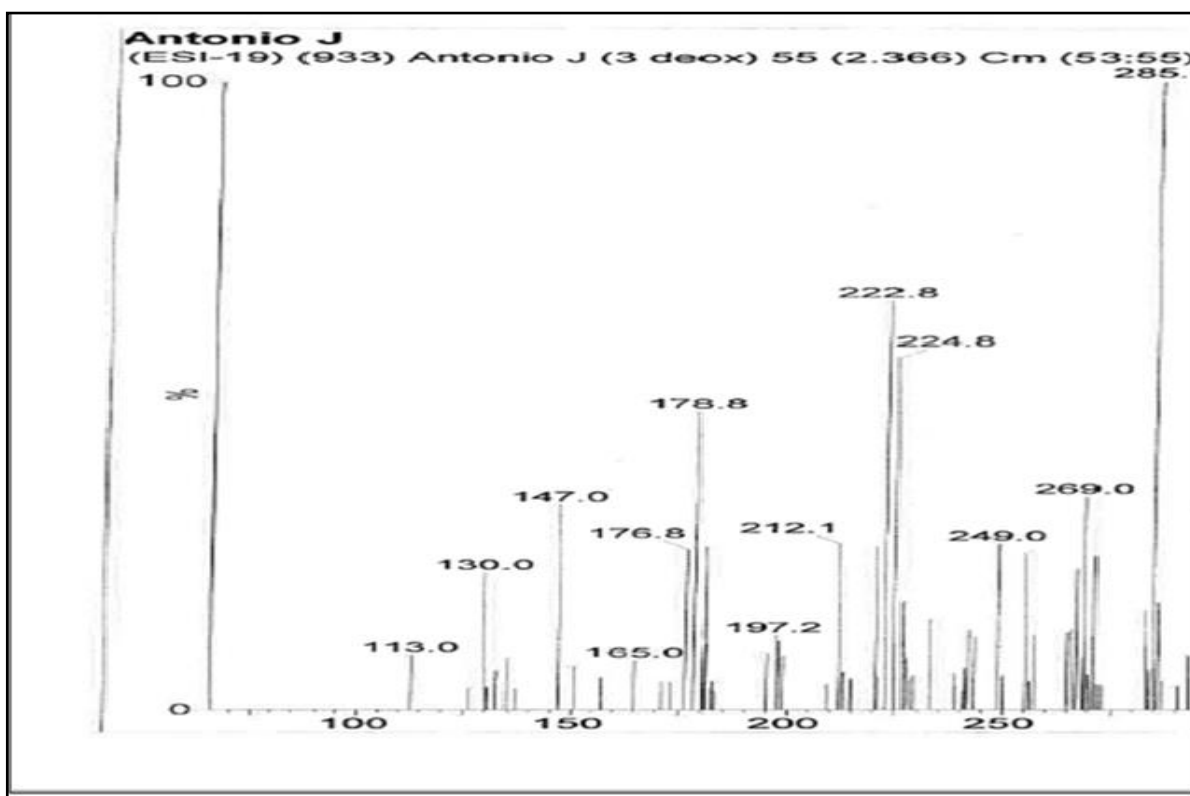
S4. ^1H NMR spectrum of kaempferol (600 MHz, $\text{C}_3\text{H}_6\text{O}$)



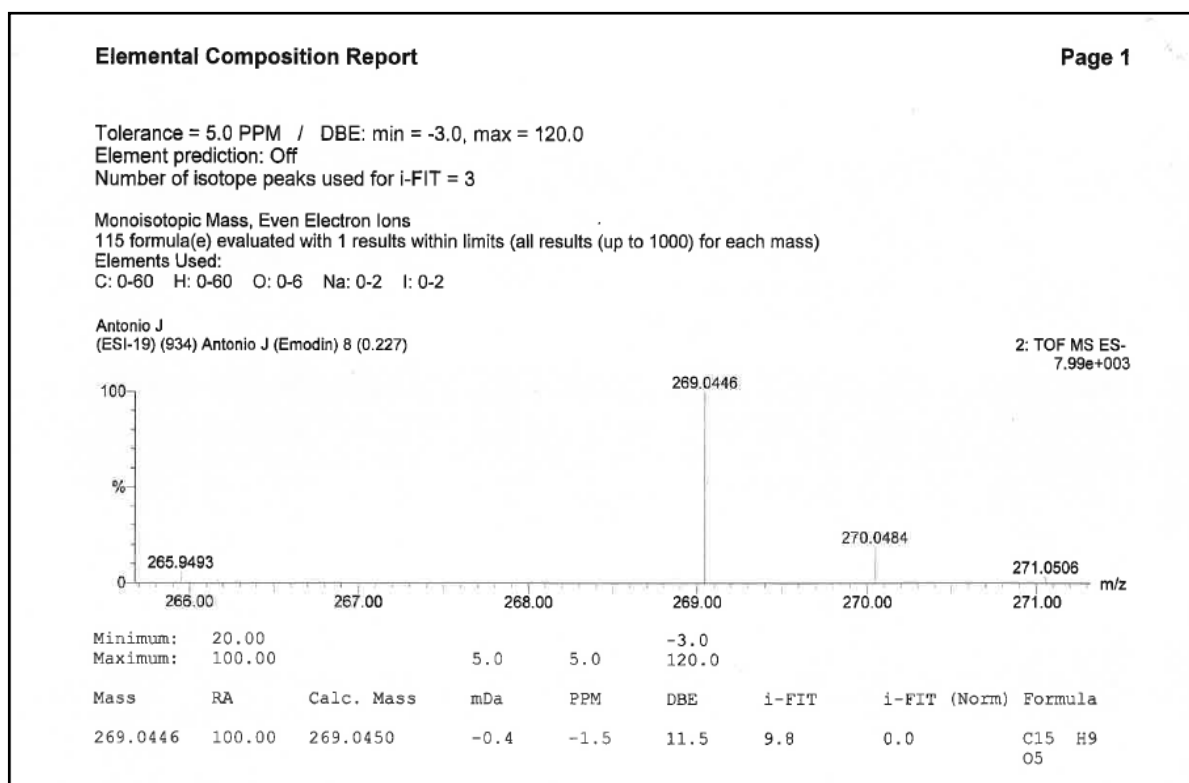
S5. EIMS spectrum of emodin



S6. EIMS spectrum of kaempferol



S7. HREIMS spectrum of emodin



S8. HREIMS spectrum of kaempferol

