

Investigating the Antibacterial Properties of Prospective Scabicides

Sara Taylor, Deonne Walther, Kylie Agnew-Francis, Deepani D. Fernando, Pearl Swe-Kay, Sharon Chow, Craig Williams and Katja Fischer

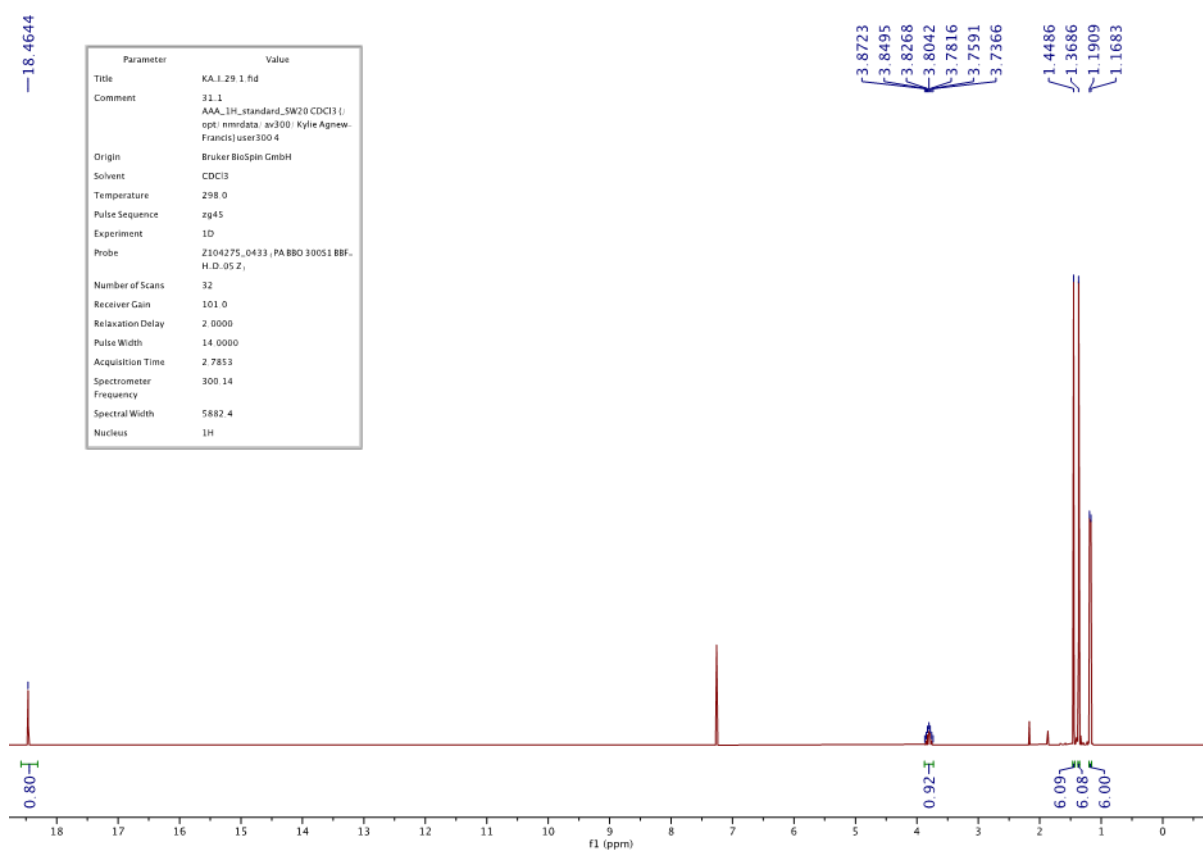


Figure S1. ^1H NMR of Flavesone.

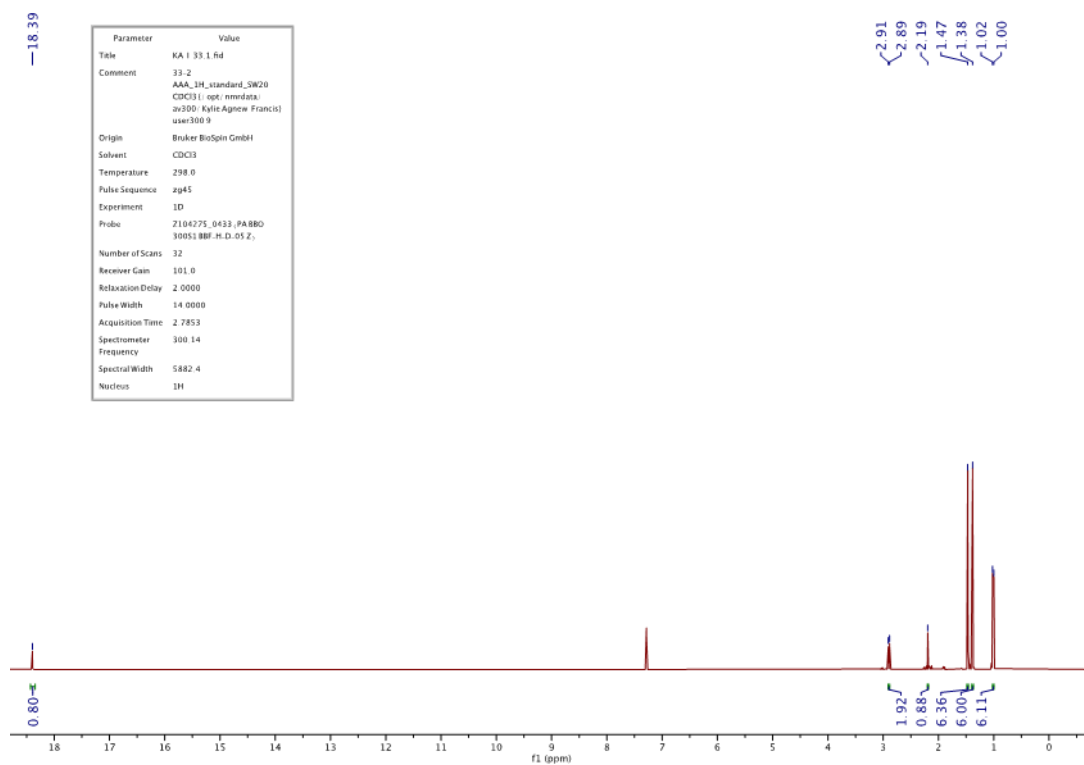


Figure S2. ¹H NMR of Leptospermonone.

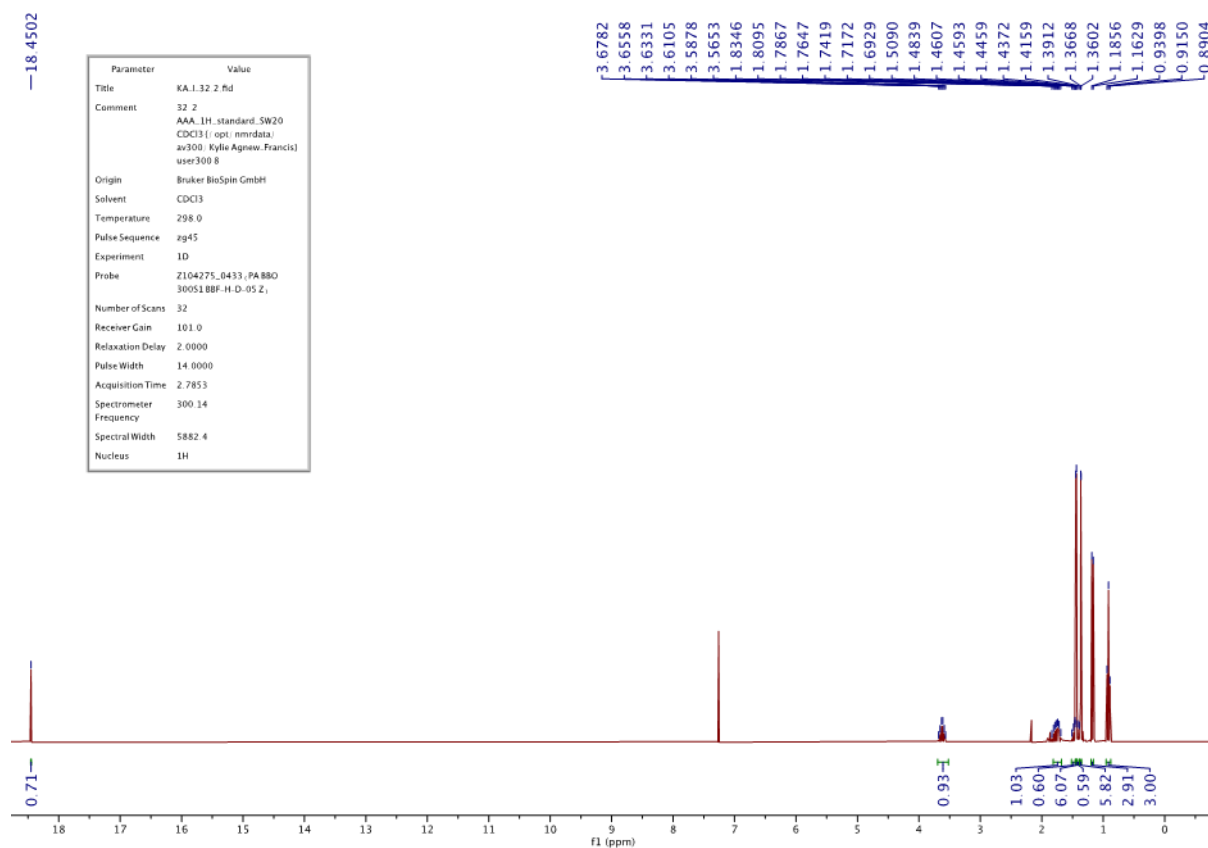


Figure S3. ¹H NMR of Isoleptospermonone.

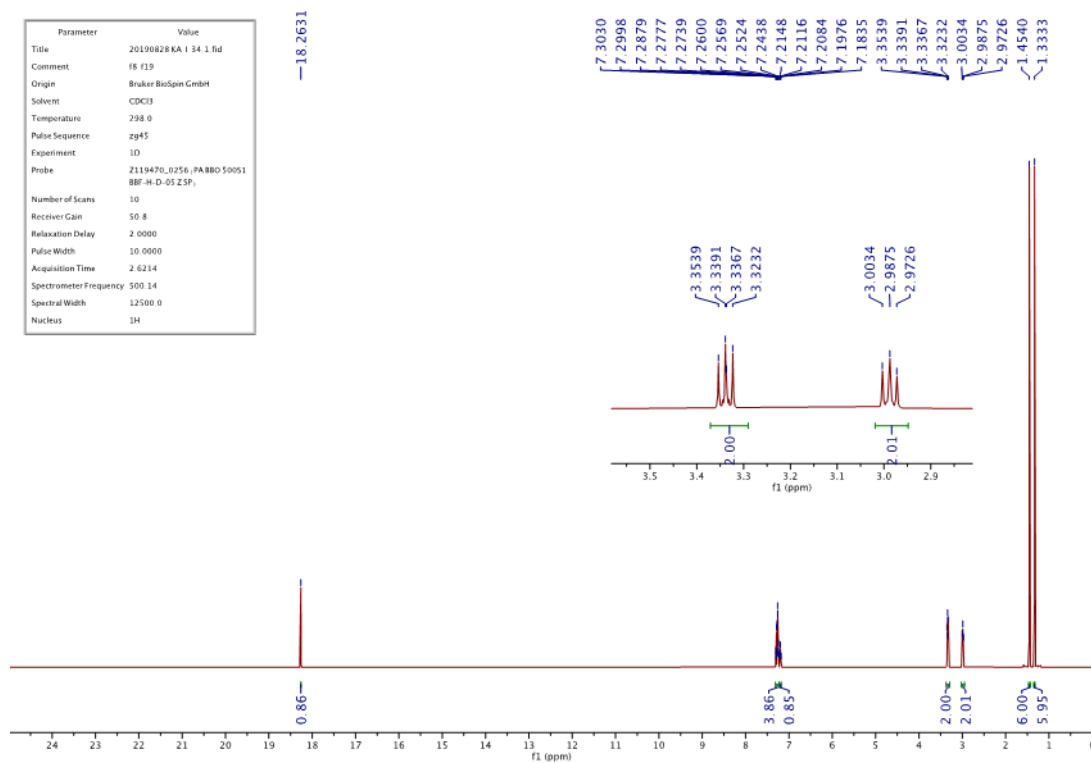


Figure S4. ¹H NMR of Grandiflorone.

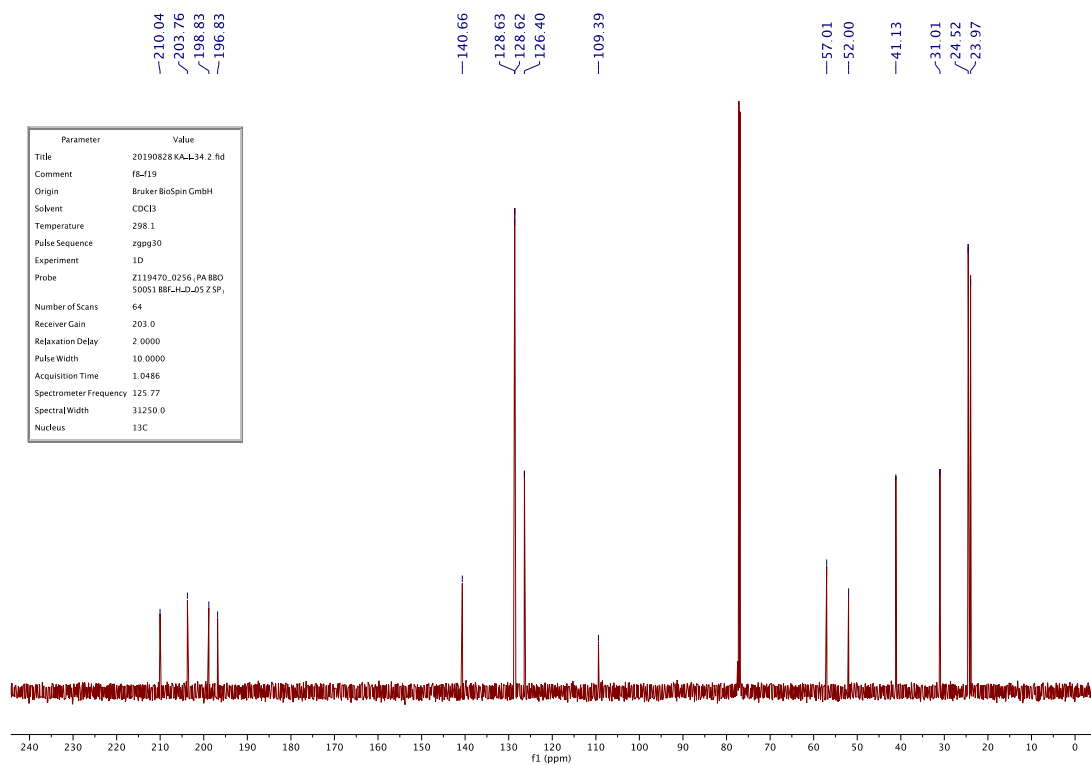


Figure S5. ¹³C NMR of Grandiflorone.

Table S1. Vehicle controls and antibiotic controls.

	<i>A.baumannii</i> ATCC19606		<i>A.baumannii</i> ATCC17978		<i>A.baumannii</i> BAA1605		<i>S. aureus</i> XEN29 NCTC8532		<i>S. aureus</i> MSSA CC75 M5		<i>S. aureus</i> MRSA CC75 M34		<i>S. pyogenes</i> 2031		<i>S. pyogenes</i> 2967		<i>S. pyogenes</i> 8830		<i>S. dysgalactiae</i> MD10		<i>S. dysgalactiae</i> ns3396	
	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC
	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)	(% v/v)
DMSO	12.5 ±0	25 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0
Isopropanol	6.25 ±0	12.5 ±0	6.25 ±0	12.5 ±0	6.25 ±0	12.5 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0	12.5 ±0	25 ±0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC
	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)	(µg/ml)
Ampicillin	n/a	n/a	n/a	n/a	n/a	n/a	1.2	1.2	1.2	1.2	13.3 ±5	32 ±9.6	1.2	1.2	1.2	1.2	1.2	2.4 ±0	1.2	1.2	1.2	1.2
Ampicillin + Sulbactam	12	19.2 ±0	4 ±1	14.4 ±5.3	39	153.6 ±0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a