

Supporting Information

Cladodionen, a Potential Quorum Sensing Inhibitor Against *Pseudomonas aeruginosa*

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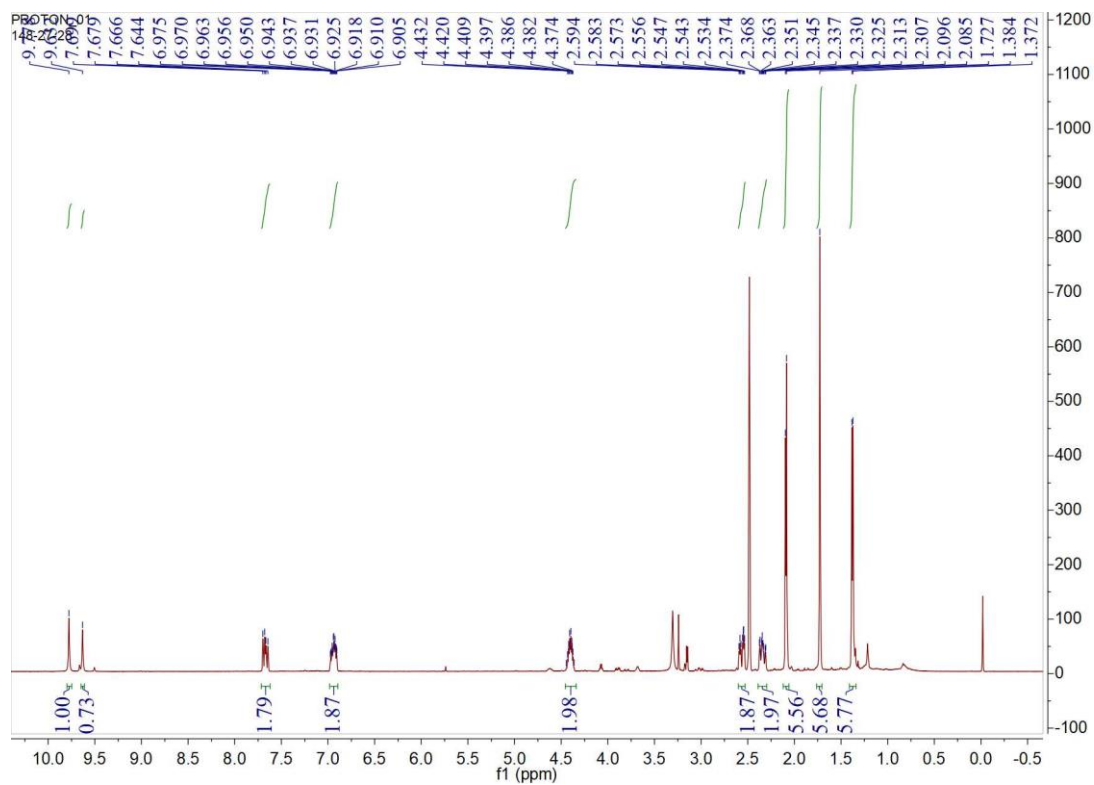


Figure S1. ¹H-NMR spectroscopy of the anti-QS compound (Solvent: DMSO-d₆).

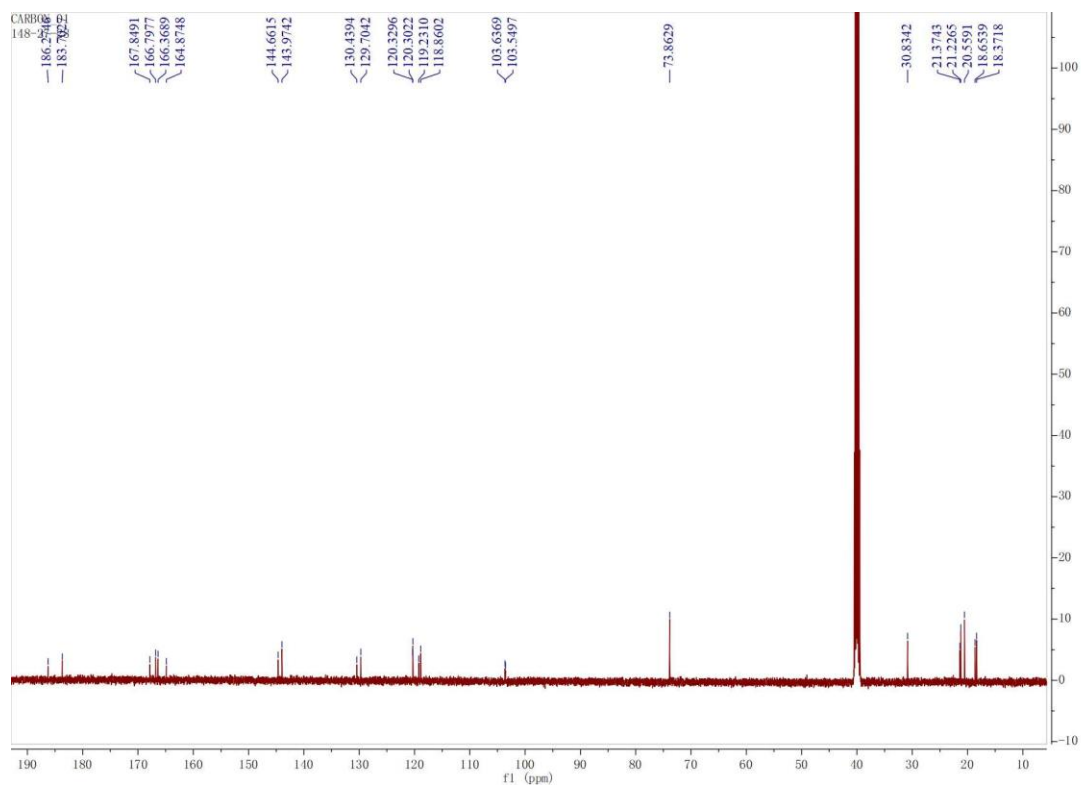


Figure S2. ¹³C-NMR spectroscopy of the anti-QS compound (Solvent: DMSO-d₆).

Table S1. ^1H and ^{13}C NMR Data for cladodionen.

No.	a		b	
	δC	δH , Mult. (J in Hz)	δC	δH , Mult. (J in Hz)
1	-	9.77, s	-	9.63
2	166.80		164.9	
3	103.6		103.5	
4	183.7		186.3	
5	129.7		130.4	
6	166.3		167.8	
7	120.3	7.70, d	120.3	7.67, d
8	144.0	6.96, m	144.7	6.97, m
9	30.8	2.35, m; 2.55, m	30.8	2.33, m; 2.58, m
10	73.9	4.40, m	73.9	4.39, m
11	20.6	1.38, d	20.6	1.37, d
12	118.9		119.2	
13	21.2	1.73, s	21.3	1.73, s
14	18.7	2.09, s	18.4	2.10, s

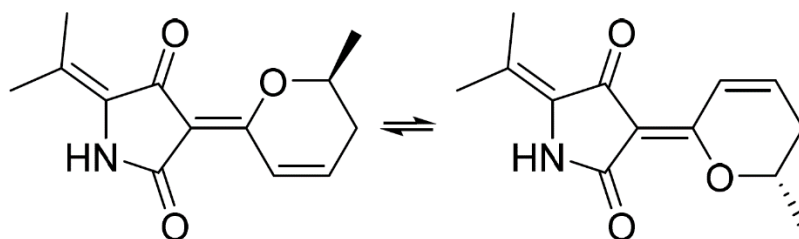


Figure S3. Chemical structure of cladodionen.

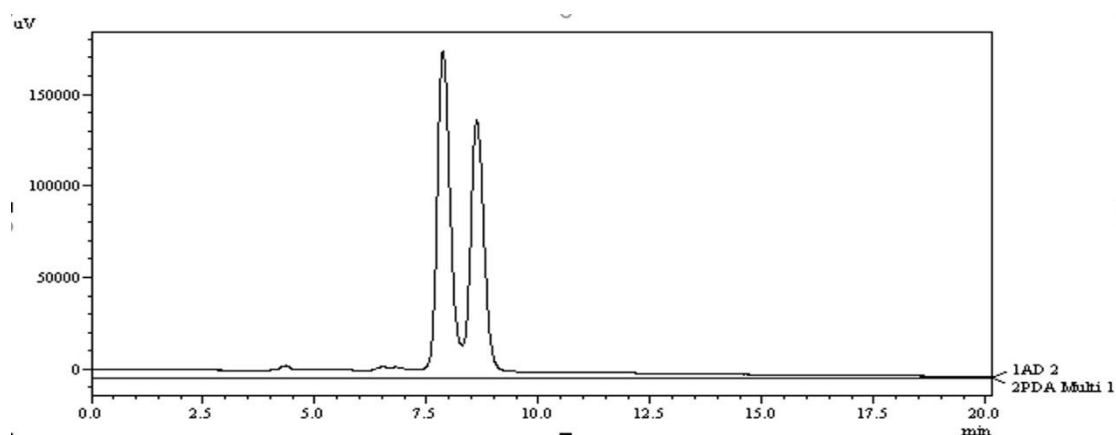


Figure S4. HPLC analysis of cladodionen.

Table S2. The primer sequences for real-time RT-PCR.

Primers	sequences (5' to 3')	primers	sequences (5' to 3')
<i>Rpsls</i> (F)	GCAACTATCAACCAGCTG GTG	<i>Rpsls</i> (R)	GCTGTGCTCTTGCAGGTTGT G
<i>lasR</i> (F)	ACGCTCAAGTGGAAAATT GG	<i>lasR</i> (R)	TCGTAGTCCTGGCTGTCCTT
<i>lasI</i> (F)	GGCTGGGACGTTAGTGTC AT	<i>lasI</i> (R)	AAAACCTGGGCTTCAGGAG T
<i>lasB</i> (F)	ACCAGAAGATCGGCAAG TAC	<i>lasB</i> (R)	GTTGACCTGCTTGTAGGTGT TG
<i>rhlR</i> (F)	CTGGGCTTCGATTA CGC	<i>rhlR</i> (R)	CCCGTAGTTCTGCATCTGGT
<i>rhlI</i> (F)	AAGGACGTCTTCGCCTAC CT	<i>rhlI</i> (R)	GCAGGCTGGACCAGAATAT C
<i>pqsR</i> (F)	CTGATCTGCCGTAATTG G	<i>pqsR</i> (R)	ATCGACGAGGAACTGAAGA G
<i>pqsA</i> (F)	GACCGGCTGTATTCGATT C	<i>pqsA</i> (R)	GCTGAACCAGGGAAAGAA C